



REPORT OF THE
Hydro-Electric Power
Commission
OF ONTARIO
1946

WILLS MACLACHLAN


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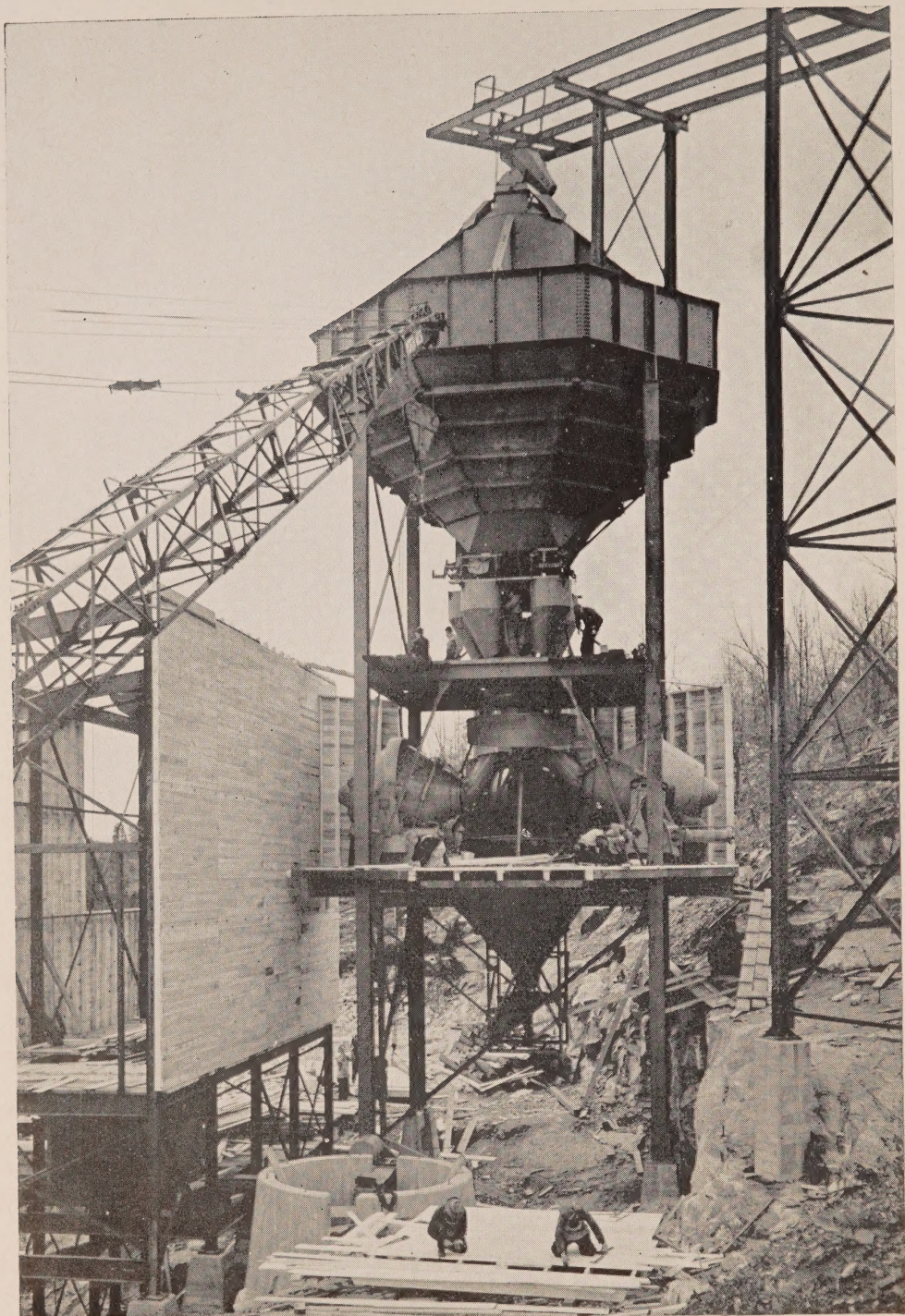
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MODERN EQUIPMENT SPEEDS CONSTRUCTION

Concrete mixing unit at Stewartville power development, Madawaska river. This equipment was later enclosed in an octagonal building with conical roof

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Ontario Hydro-Electric Power
Commission

THIRTY-NINTH ANNUAL REPORT

OF

THE HYDRO-ELECTRIC
POWER COMMISSION
OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1946



ONTARIO

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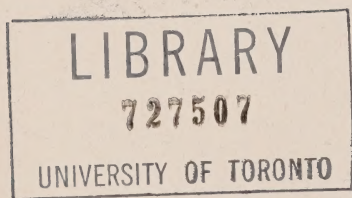
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THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

1946

T. H. HOGG, B.A.Sc., C.E., D.ENG..... *Chairman*
HON. GEORGE H. CHALLIES, PHM.B., M.L.A..... *Vice-Chairman*
W. ROSS STRIKE, K.C..... *Commissioner*
OSBORNE MITCHELL..... *Secretary*



HEAD OFFICE

620 UNIVERSITY AVENUE • TORONTO 2, ONTARIO

CHAIRMAN'S LETTER OF TRANSMITTAL

To His Honour

THE HONOURABLE RAY LAWSON, O.B.E., LL.D.,

Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-ninth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1946.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1946, financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the co-operative systems for the supply of electrical service throughout the Province.

HYDRO IN 1946

In Retrospect

At the end of 1945, the year that saw the termination of hostilities in Europe and in the Pacific, The Hydro-Electric Power Commission of Ontario was able to express satisfaction that during the whole period of the war no industry in Ontario lacked sufficient power for its need and that, aided by Government restrictions upon certain uses of electricity and voluntary economies cheerfully undertaken by consumers, there had been sufficient power for all essential domestic and commercial purposes.

It had been anticipated that for at least a year after hostilities ceased, even though restrictions on use were removed, the total quantity of power required for all purposes would be substantially less than it had been in the

final period of the war. A reduction in demand was expected, sufficient to restore the margin of reserve power considered desirable for best operating efficiency and to facilitate overhauling of plant and equipment. Surprisingly, this situation did not obtain and as the time for the peak demand of the winter season of 1946-47 approached, the Commission, in order that the demands of industry might be met as fully as possible, requested the citizens of the Province again to economize in their use of Hydro power and energy.

During the war the citizens of Ontario, as of other parts of Canada, modified their uses of Hydro service and economized wherever possible. This tendency was accentuated by the disappearance of new appliances from the market and the difficulty in replacing and repairing worn equipment. Thus the normal growth in the load for domestic uses was held back, but the desire for the higher standard of living that comes with a fuller use of electrical service was still active, was in fact stimulated as the war drew to an end by advertising of post-war appliances and new uses for electricity. When the war ended and as restrictions were removed and it became easier to repair appliances and obtain some new ones, the domestic demand grew; this was accentuated by the return to standard time for the winter months and by other factors.

Similarly with the commercial load: Street signs and street lighting were restored and in some cases improved. The big stores which had been co-operative in restricting their demand during wartime felt free to lead the way back to normal by a much greater use of Hydro lighting and display. The well-planned reconversion of industrial plants to a peacetime programme, also resulted in the power dropped by war loads being quickly re-employed. Furthermore there were many active new plants or war plants converted to new uses which quickly replaced other war loads. Thus demands for electric power increased in the domestic, commercial, industrial and municipal fields.

All Generating Equipment In Use

We have seen that the economy steps taken by everyone helped the Commission to meet all demands for electrical service and thus enabled Ontario to produce the maximum effective output of munitions and equipment. Similar effective steps were taken in all provinces and thus Canada contributed to the allied cause to an extent far beyond what might have been expected from a country with Canada's population. But to accomplish this fine record for electrical service in Ontario, The Hydro-Electric Power Commission had to operate during the last two years of the war with little or no margin of surplus capacity and it had to postpone major maintenance work, relying upon the high standard of service value built into its transmission lines, transformer stations and plant generally. For the most part this confidence in its ability to carry through was justified. But the margin was small and the Commission at the end of the war had no reserves of unused generating capacity; furthermore it had a formidable backlog of rehabilitation work to be done.

Power and energy supplies available to the Commission depend upon the installed generating capacity of its 55 generating plants and upon their maintenance in a state of maximum efficiency; upon the amount of power

purchased, and the terms of the contracts and, in the case of all hydro-electric plants, upon the hydrologic factors of precipitation and storage.

Variations in power demands are greatly influenced by the general level of industrial activity. At the present time notwithstanding shortages in certain basic materials such as fuel and steel, there is intense industrial activity to meet a large backlog of consumer needs, and a substantial increase in domestic use of electricity in both urban and rural communities, which will further increase as more appliances and farm electrical equipment become available.

With this general summary of conditions it will be of interest to review the position just prior to the last fiscal year and record the past year's operations.

Operating Conditions in 1945-1946

During the summer of 1945 over most areas of the Province the precipitation was greater than average. As a result water conditions at the beginning of the winter 1945-1946 were favourable and continued so throughout the winter months. In 1946, however, an early spring run-off, one full month ahead of normal, was followed by extremely light precipitation, especially in the southern part of the Province. This caused a serious water shortage during the summer and fall months of 1946 on the rivers supplying the generating stations of the Georgian Bay and Eastern Ontario divisions of the Southern Ontario system. Not for several years had there been so serious a seasonal water shortage. In the northern part of the Province, water conditions were similar though less severe. The result of these conditions was that the Hydro entered the fall and winter season of 1946-1947, with depleted storage reservoirs.

Meantime the expected recession in power demands following the war did not materialize and primary power demands continued to rise even over those of the later war years. Throughout the winter of 1945-1946 primary peak loads continued, month by month, to exceed the demand for the corresponding months of the previous year and not until the spring and summer, when labour disputes closed down many industrial plants, was there an appreciable drop in demand from the previous year.

In October 1946, following the return of factories to full time production, power requirements reached an all-time high, and continued to increase. In the area served by the Southern Ontario system these demands exceeded the available power resources. Thus, in southern Ontario the Commission, although able to meet all its commitments in respect to delivery of power under its firm power contracts, was not able to meet all the power demands of large industrial users who purchase power on an interruptible basis. Substantial reductions in delivery of both power and energy to this class of customer were necessary during the late fall and winter months of 1946-1947; to these customers the power shortage was very real and serious.

The total peak output from all sources was 2,625,000 horsepower, exceeding the record peak of the previous year by 17,000 horsepower. The peak output for primary power was 2,515,000 horsepower exceeding all previous records for this class of power by 44,000 horsepower or 1.8 per cent higher than the highest levels for all war years.

DISTRIBUTION OF POWER TO SYSTEMS**PRIMARY POWER****20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS**

| System | 1945 | 1946 |
|----------------------------------|-----------|-----------|
| | October | |
| Southern Ontario system..... | 2,027,361 | 2,146,572 |
| Thunder Bay system..... | 124,397 | 141,421 |
| Northern Ontario Properties..... | 212,673 | 226,687 |
| Total..... | 2,364,431 | 2,514,680 |
| | December | |
| | | |
| Southern Ontario system..... | 2,079,382 | 2,204,609 |
| Thunder Bay system..... | 127,078 | 139,008 |
| Northern Ontario Properties..... | 204,345 | 242,637 |
| Total..... | 2,410,805 | 2,586,254 |

PRIMARY AND SECONDARY POWER**20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PEAKS**

| System | 1945 | 1946 |
|----------------------------------|-----------|-----------|
| | October | |
| Southern Ontario system..... | 2,177,763 | 2,156,599 |
| Thunder Bay system..... | 136,863 | 151,072 |
| Northern Ontario Properties..... | 285,247 | 287,464 |
| Total..... | 2,599,873 | 2,595,135 |
| | December | |
| | | |
| Southern Ontario system..... | 2,185,012 | 2,211,579 |
| Thunder Bay system..... | 140,483 | 152,413 |
| Northern Ontario Properties..... | 291,517 | 294,272 |
| Total..... | 2,617,012 | 2,658,264 |

The foregoing figures represent loads actually carried; in interpreting them, it must be borne in mind that owing to a deficiency in power resources, loads were somewhat curtailed in Southern Ontario. A comparison of potential power demands in Southern Ontario would show a greater increase than indicated by these figures.

The total energy produced from all sources was 12,672,000,000 kilowatt-hours. This was 184,000,000 kilowatt-hours or 1.5 per cent greater than the production during the previous year. The energy output for primary power purposes dropped 1.4 per cent from 11,110,000,000 kilowatt-hours in 1945, to 10,951,000,000 kilowatt-hours in 1946. This drop, in contrast with the rise in peak demands, reflects the effect of reduced energy demands during part of the year resulting from labour disputes.

Compared with the previous year, primary energy demands in the Southern Ontario system were 1.9 per cent smaller; Thunder Bay system 11.5 per cent greater and Northern Ontario Properties 5 per cent less. Labour disputes were largely responsible for the decline on the Southern Ontario

system. The rise on the Thunder Bay system reflects increased activities in the pulp and paper industry. On the Northern Ontario Properties, demands for the mining and refining of gold increased but this was greatly offset by a reduction in power requirements in the smelting and refining of base metals.

Maintenance and Rehabilitation

The efforts made by the Commission co-operating with Dominion authorities during the war to husband the limited supplies of men and materials were effective, but they left in their train many problems to be solved. With victory achieved therefore the Commission turned to the task of rehabilitating its overworked equipment and in 1946 started the most urgent parts of the post-war maintenance programme already planned. The year's work, however, was greatly handicapped both by the short supply of materials and by the difficulties of releasing any part of the overburdened plant for repairs.

The chief items of maintenance work undertaken during the year were as follows. In southern Ontario the post-war programme of transmission line tower maintenance, and replacement of defective wood poles on a larger programme was commenced. Rehabilitation work included a start in the Toronto metropolitan area to improve the general power supply. In the Thunder Bay district there was extensive work on the transmission line from Cameron Falls to Longlac transformer station. In northern Ontario, chiefly in the Timiskaming district, many miles of wood-pole line were rebuilt. Only absolutely essential work could be carried out on the generating plants in southern Ontario but a number of the smaller generating units in the plants serving the Timiskaming district were completely overhauled and reconditioned. Further details of this work will be found in Sections VI and VII of this Report.

ONTARIO'S GROWING INDUSTRIAL STRENGTH

The intensive production carried on in Ontario throughout the period of the war greatly enlarged the industrial capacity of the Province and brought to management and labour alike new skills and improved manufacturing facilities. These have manifested themselves in several ways but in nearly all cases they result in greater demands for Hydro power.

Due in part to a resumption of peacetime industrial and commercial activity on an enlarged scale but also to an expanded domestic demand free from wartime restrictions, the power requirements of urban municipalities are rapidly increasing. Local industrial plants are modernizing their equipment and expanding their operations; this process almost invariably requires more employees and more power per employee.

Large manufacturing concerns are establishing branch industries in smaller centres sometimes a long way from their parent plants. There is also a noteworthy trend to establish new industries in suburban areas, a tendency particularly marked in such industries as plastics, chemicals,

building products, rubber, electrical appliances and agricultural machinery. Many new industries are being established as a result of ideas developed during the war.

It is noteworthy that branch plants of British concerns are being established in many municipalities throughout the Province.

In addition to the increasing industrial loads supplied by urban municipalities the Commission as is its usual practice has given service to a number of large and important industries established or considering establishment in various parts of the Province. In some cases the necessary power facilities are not within the capacity of the physical equipment of the local municipal Hydro, in other cases the nature of the undertaking renders it desirable for the Commission itself to supply service to the industry as a system customer.

In addition to expansion in well established industries such as the chemical industry, electro-smelting and furnaces, which are increasing to capacities greater than obtained during the war, and the cement industry at present working at full capacity, the intense war production carried on especially in the areas served by the Southern Ontario system has led to the creation of industries manufacturing products not heretofore attempted in the Province. This phase of the present industrial growth is especially fostered by new skills developed during the war and may be of far reaching importance.

In Northern Ontario

There is marked activity in the search of new gold mines in northern Ontario. Many of these may develop as producing mines in the next few years. On the other hand the acute shortage of labour still handicapped in 1946, the older producing gold mines. The production of base metals is increasing in a satisfactory manner. This is also true for non-metallic minerals. Very large demand for the output of pulp and paper mills is being experienced, and it is noteworthy that Kraft pulp mills are being established in conjunction with saw-mills so that more of the scrap can be manufactured into pulp.

REMARKABLE GROWTH OF RURAL ELECTRICAL SERVICE

For many years rural electrical service has been a significant factor in the economic life of Ontario, but its growth during the past ten or twelve years has made its operations of substantial importance — in magnitude of capital invested, in miles of transmission and distribution lines, in aggregate horsepower utilized, and not least in the number of consumers served. The point may be illustrated quite simply by stating that the total number of consumers already served in rural operating areas exceeds the number of Hydro consumers in all the cities of Ontario except the four cities that have a population exceeding 100,000.

At the end of 1946 the total mileage of rural lines constructed or under construction was approximately 23,700. These lines serve or will shortly serve about 178,000 consumers whose aggregate peak load during this winter has at times exceeded 165,000 horsepower. The capital investment in trans-

mission lines and other facilities for distributing power in rural operating areas exceeds \$45,000,000, of which nearly half is represented by the Government grants-in-aid.

During 1946 the supply of materials required for the construction of rural lines improved. The delivery of wood poles was more satisfactory, but deliveries of conductors and line hardware were insufficient to permit the completion of more than 60 per cent of the primary line extension programme originally proposed. Service connections on existing and new lines were also delayed due to the non-delivery of suitable transformers.

Approximately 1,200 miles of primary line were actually constructed in 1946 and service was given to about 16,500 new consumers, 13,300 of whom received service from existing lines. Notwithstanding a general decrease in power taken by former war industries served from rural lines, the use of power in rural areas increased during the year by no less than 25 per cent.

In previous years the maximum aggregate power sold in rural areas occurred during the summer months of July or August. This was due to the incidence of the summer resort and summer cottage demands during the holiday season. In the latter part of the summer of 1946, however, so rapidly were customers being added to the rural lines that the usual drop in load following the exodus from summer resorts was more than counterbalanced by the increased demand of permanent residents in rural areas, so that during the month of October a peak exceeding 164,000 horsepower was established as compared with 159,000 horsepower in August, which itself was 20 per cent higher than the previous summer peak.

At the end of October, 1946, there were on hand enough rural applications for service to warrant the construction of 7,310 miles of new primary line. The Commission's construction plans call for the building in 1947 of about 1,500 miles of line. This programme, however, itself depends upon whether material and equipment in sufficient quantity become available.

It is necessary again to draw attention to an important limiting feature to the programme of extensions in rural operating areas. During the war even after certain restrictions had been eased, material was so short that in the interest of food production it was used for extensions rather than for improvements to service. This in itself aggravated a condition developing with increased load, namely, insufficient capacity on many existing lines to supply satisfactory service. Thus ever since the termination of hostilities it has been imperative in many districts to increase the capacity of certain lines before satisfactory service can be given by means of further extensions. The Commission is using the supplies, material and equipment available to the best advantage but it would be unwise to impair the service given to existing consumers by extending lines and adding new customers in areas where the main primary lines are even now of insufficient capacity.

Construction and Planning

In view of the very evident trend of the demand for power in Ontario to increase still further and accentuate the power shortage, the Commission

is doing all in its power to hasten construction on several power developments and to extend transmission and distribution facilities as quickly as possible.

The intensive planning that characterized the Commission's activities in 1945 was followed in 1946 by the commencement of construction on power developments and on important transmission lines and transformer stations. The volume of work now underway is immensely greater than for some years past.

In the Niagara division the major piece of work is the installation of a second unit of 70,000 horsepower at the DeCew Falls 25-cycle plant. The new unit and its setting are similar to the initial installation, but important changes are being made, including increased storage facilities in the headwaters area and extensive improvement in tail-water channels. The operating head of the DeCew Falls plant will be increased from 265 feet to 280 feet, partly by raising the head-water level but chiefly by excavation of tail-race channel. The estimated cost is \$7,693,000 and the new unit is planned to come into operation in September, 1947.

In the Georgian Bay division no new generating plant was under construction but structures were renovated at the South Falls development. The Commission rented a steam plant of 5,000 horsepower at Nobel to augment the power supplies during the heavy summer load period.

In the Eastern Ontario division a second major power project on the Madawaska river was started at Stewartville, downstream from Barrett Chute which was constructed during the war, and eight miles from Arnprior. This development will have a capacity of 81,000 horsepower with three units each of 27,000 horsepower operating under a head of 150 feet created by a gravity type dam spanning the river and will supply 60-cycle power for the Southern Ontario system. The estimated cost of the complete hydro-electric development with step-up transformers is \$10,470,000, and with the associated transmission lines to Oshawa, the total is \$13,724,000. Construction was started in October, 1945, and it is expected the plant will be in operation by January, 1948.

Major Development Planned

To augment further the power supplies of the Southern Ontario system preliminary work was commenced on the Des Joachims development on the Ottawa river, 136 miles from the city of Ottawa and about 38 miles upstream from Pembroke. This development will be larger than any other Commission plant except that at Queenston and will have an initial capacity of 360,000 horsepower in 6 units which may later, should additional storage be provided on the upper Ottawa drainage basin, be increased to 480,000 horsepower with 8 units. The plant will operate under a head of about 130 feet. Field surveys have been under way for some time and active construction has commenced. The estimated cost for the initial hydro-electric development of 6 units with step-up transformers is \$51,000,000 and the additional cost for transmission lines will be \$24,000,000 a total of \$75,000,000. It is expected that this plant will be in operation during the year 1950.

To supply additional power for the Thunder Bay system a power site near the mouth of the Aguasabon river is being developed. The installation will comprise 2 units each of 26,500 horsepower which will operate under a head of 290 feet with a total capacity of 53,000 horsepower. Of this amount 15,000 horsepower will be supplied to the Longlac Pulp & Paper Company Limited and the remainder will be used to supplement the power resources of the Thunder Bay system.

The water supply for this development will be derived in large measure from the upper part of the Kenogami river drainage basin by means of the Long Lake diversion project, supplemented by the run-off from the drainage basin of the Aguasabon river. Estimated costs for hydro-electric development complete with step-up transformers \$8,511,000, for a transmission line to tie in with the Nipigon river plants at Alexander \$1,474,000. Total \$9,985,000. Construction commenced in May, 1946, and completion of the development is planned for September, 1948. For the Thunder Bay system there will also be constructed a fourth transmission circuit from Alexander to Fort William at a cost of \$2,142,000.

To meet the increase in demands for power in the Patricia district of the Northern Ontario Properties the fourth and last unit with a capacity of 7,500 horsepower is being installed at Ear Falls development on the English river. This will increase the rated capacity of the plant to 25,000 horsepower. The work at Ear Falls began in August, 1946 and is expected to be finished in December, 1947. In this district also, unit No. 1 at Rat Rapids on lake St. Joseph was reinstalled. This unit of 1,500 horsepower was burnt some years ago; the generator was rebuilt and came into service toward the end of December, 1946. The estimated cost of these installations is \$1,791,000.

Increased Transmission Facilities

It is important to remember that the development of water power and the provision of generating stations is but half the process of providing supplies of electrical power. The electricity must be transported long distances and adapted for delivery to consumers. At the generating stations electricity must be "stepped up" to a high voltage for transmission; the step-up transformers are usually considered a part of the equipment of the generating station. At the other end of the main transmission line the voltage must be stepped down at main transformer stations for further transmission to smaller municipal and other distribution stations.

The provision of transmission and distribution facilities must be in step with the processes of providing more power. The post-war planning of 1945 has therefore also been translated into action with respect to transmission network improvements.

In the Toronto metropolitan area embracing Toronto and its suburban municipalities important modifications are being made at main transformer stations and additional equipment is being installed. Work started in 1946 includes an increase in the capacity of Toronto-Wiltshire transformer station from 60,000 to 90,000 kva. This will be completed in 1947 at a cost of about \$440,000. The capacity of the Toronto-Esplanade transformer station is

being increased from 50,000 to 100,000 kva to permit the operation of the station in two sections. The work on this improvement began in September, 1946 and is expected to be completed by January, 1948.

To provide a new 220,000-volt terminal transformer station in the Toronto metropolitan area construction work is underway on Kipling avenue in the township of Etobicoke immediately west of the city. The erection of the 110,000-volt switching equipment at Kipling transformer station is progressing and should be ready for service early in 1947. Plans for the immediate future at this station include two 25,000-kva transformers which should be in service early in 1948 to reinforce the power supply to Islington and the surrounding area. In the meantime the supply is being augmented by increasing the capacity of York transformer station from 30,000 to 45,000 kva. Additional transformer capacity of 16,000 kva is being installed on the site of the new Scarborough transformer and frequency-changer station to reinforce the supply of power in the Scarborough area where certain industrial developments are taking place. It will be ready for service in July, 1947.

Frequency-Changer Stations

In order to integrate the Niagara, Eastern Ontario and Georgian Bay divisions of the Southern Ontario system so that surplus generating capacity in any one division may be made available and used to supply power to any other division an extensive undertaking was started in July, 1946, to construct a frequency-changer station at Scarborough situated immediately to the east of the city of Toronto, together with the necessary transmission lines, transformer stations and auxiliary equipment. The first part of the new integrating project is a tie line between the Eastern Ontario and Georgian Bay divisions and comprises a 110,000-volt transmission line, 81 miles long, from Oshawa to Barrie with a 15,000-kva step-down station at Barrie and 110,000-volt switching equipment at Oshawa; this was all placed in service on July 1, 1946. The second part of this integrating project comprises frequency-changers at Scarborough and a 110,000-volt line from Scarborough to Leaside. Two 25,000-kva frequency-changers with associated transformers and switching equipment will be provided. The first frequency-changer set is now under construction and a second one has been ordered. The estimated cost of this project is \$5,835,000. This interchange of power will be strengthened in 1947 by the completion of a 110,000-volt line between Barrett Chute and Oshawa. This line will later be extended to the Stewartville development when that development is ready to furnish power.

In the Cornwall area a new 110,000-volt transmission line 51 miles long between Ottawa and Cornwall was placed in service in April, 1946 and the permanent switching stations at Cornwall and Ottawa are progressing. To supply power to Canadian Industries Limited at Cornwall a 15,000-kva transformer station will be ready for service in February, 1947.

At the other end of the area served by the Southern Ontario system, in the Essex district, work on the important alterations that are being made to the Essex transformer station continued during 1946. These improvements which will cost more than \$1,000,000 are expected to be completed by March, 1947.

Many other additions to transformer capacity and transmission line facilities were proceeded with during the year including extensive changes and improvements to the transmission lines and station facilities in the Abitibi and Timiskaming districts of the Northern Ontario Properties and for the Thunder Bay system.

FINANCIAL OPERATING RESULTS

Although interim rates for power supplied to many municipalities were lower in the first two months of the Commission's financial year than in the same months of the previous year, increased use of power caused 1946 revenues from municipalities to exceed those of the year 1945 by about six per cent. There was also a marked increase in revenue from service to rural consumers. Curtailment of revenues from industrial consumers of the Commission that had been engaged in war work, however, was not fully offset by resumption in 1946 of peace time activities in large industries, interrupted as these were in some cases by industrial disputes. Nevertheless aggregate revenue on the Southern Ontario system from all sources was a little higher in 1946 than in 1945.

The prevailing conditions of materials scarcity and increased prices affected costs of operation adversely. Maintenance costs were also subject to the same influence, although the volume of work that could be carried out was itself limited by availability of materials. Interest costs were lower than in 1945, but the aggregate costs for interest and operating expense of the Southern Ontario system exceeded those of 1945 by about five per cent.

On the Thunder Bay system, enlarged activity in the pulp and paper industry, and resumption of mining loads contributed substantially increased revenues, which were more than sufficient to absorb increase in costs occasioned by the provision of additional system capacity at the end of 1945.

In Northern Ontario, the increased sale of power for gold mining in the later months was almost sufficient to compensate for the reduction in revenue from power for nickel production, which was especially marked in the earlier months. However, coupled with unavoidable increase in costs of operation and maintenance, the net financial result for 1946 is less favourable than those reported for other recent years.

Frequency Conversion - Southern Ontario System

An interim report on frequency conversion in the Niagara division of the Southern Ontario system from 25 to 60 cycles was completed during the year 1946 and since then has been carefully studied by all co-operating municipalities. The report concludes that "There are no insurmountable engineering difficulties involved and there would be marked advantages in having a standard frequency of 60 cycles.

"The problem is whether the present and future advantages of 60-cycle power are sufficiently great to warrant the expense involved in the change-over of a very large 25-cycle system, today totalling 1,000,000 kw of generating capacity (excluding 350,000 kw to be retained for 25-cycle industrial operation).

“The Commission believes that the proposal is entirely practicable from a technical viewpoint . . .”

Regarding certain economic features the report points out that “Apart from the question of costs, economic aspects involve the consideration that frequency changeover is a project that will use many millions of man-hours of labour. This may be beneficial or the reverse, depending upon the timing of the programme. It would not be beneficial if competition for skilled labour made such labour less available for the completion of more important social services. It might on the other hand be very beneficial if, being started, it could be speeded up should economic depression or widespread unemployment threaten.”

Miscellaneous Activities

The exceptionally large volume of work now being undertaken by Hydro affects all departments of the Commission's organization.

The year 1946 witnessed a marked expansion in the research programme of the Commission. The return of many research engineers loaned to the Dominion authorities or who had joined the armed services permitted resumption of important research projects relating to many phases of the Commission's operations. The larger part of the Commission's research work relates to practical problems connected with the construction and operation of its systems and these problems increase in scope and importance with the increased construction programme facing the Commission at the present time.

In connection with new developments and transmission line extensions much property was purchased and many rights in the form of perpetual easements were obtained. This work necessitated very extensive surveys, some of which are being performed by the Commission's survey staff.

The Electrical Inspection department which is entrusted with the enforcement of the rules and regulations governing electrical installations in Ontario handled a volume of work greater than in any previous year's history of the Commission. The wiring and equipment permits increased 55 per cent and inspections of wiring and equipment increased by 66 per cent over the previous year's record.

Looking forward to the time when appliances and additional energy will be available the Commission in its promotional and educational work is laying particular stress upon the need for adequate wiring in the urban home and on the farm. In this work it co-operates with the Electric Service League of Canada. Particular attention has been paid during recent years to encouraging the adequate lighting of schools. As this work in connection with the schools becomes known and the beneficial results begin to manifest themselves there is little doubt that there will be a widespread recognition of the need for improvement in the standard of school lighting. In drawing up plans to accompany the reports on school lighting provision for auxiliary outlets and facilities for use in connection with visual education, household science and manual training is not overlooked.

Personnel Training

During 1946 a large number of new employees were engaged to assist with the increasing volume of work facing the Commission. All new employees were carefully selected for specialized activities, and in accordance with Commission policy, preference was given to applicants having served with the Armed Forces.

Accurate records have been assembled of all employees who rendered military service during the period 1939 to 1945. This compilation contains particulars of previous employment with the Commission, details of war service, decorations and other pertinent facts. In the case of former employees of the Commission who died on active service, special care is being taken to complete details of their military service and, with the co-operation of the Records Office at Ottawa, it is hoped that the basic requirements for a permanent memorial can be established.

Linemen's Training School

As reported last year, a Linemen's Training School was established by the Commission at the request of the municipalities. The school has progressed and expanded, and every effort is made to keep the course of instruction interesting and constructive. It is now possible to report that graduates of the school have been carrying out their duties with skill and resourcefulness in various parts of the Province. It is interesting to recall that during a recent emergency resulting from a severe storm, a line gang composed of young men who were completing their course at the school was put to work alongside an experienced crew of veteran linemen. So thorough was the work of the school group that the regular linemen did not know, until a week later, that their fellow-workers were trainees. The operation and success of the Linemen's Training School has aroused widespread interest and many engineers and other interested parties visiting the school have been very favourably impressed.

Post-Graduate Training Courses

About twenty years ago the Commission conducted an experiment in the post-graduate training of young engineers. A recent survey of these men has shown that, largely as a result of this early training, they were now holding higher than average positions. During 1946, forty junior engineers were recruited from the armed forces and from Canadian universities to receive a special course of training with the Commission. It is worthy of note that nearly all the universities of Canada are represented in this group. These young engineers have an opportunity, through the course, of studying many phases of the Commission's operations. After a two-year period, each man will be assigned to that department to which his special aptitudes would be most valuable.

Accident Prevention --- Health Service

Every effort is being made by the Commission, through engineering revision and development of tools and practices, to make the work of its employees as safe as possible. Special emphasis is being placed on preventive measures to counteract the menace of electric shock, falling poles and other types of accident.

The Commission's medical director is engaged in developing ways and means of improving the general health of employees, and, in the case of construction camps, of caring for the sick and superintending surgical treatment. Nurses are available at the head office and at two of the more remote colonies. The presence of a nurse in isolated colonies provides re-assurance to employees and members of their families. Such measures contribute to greater employee efficiency and the satisfactory operation of the Commission's affairs.

CAPITAL INVESTMENT AND RESERVES

Capital Investment

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is \$393,339,253.63 exclusive of government grants in respect of construction of rural power districts' lines (\$24,391,821.23) and the investment of the municipalities in distributing systems and other assets is \$152,205,948.00, making in power undertakings a total investment of \$545,545,201.63.

The following statement shows the capital invested in the respective systems, properties and municipal undertakings, etc:

| | |
|--------------------------------------------------------------------------------------------|------------------|
| Southern Ontario system..... | \$301,815,803.90 |
| Thunder Bay system..... | 23,164,049.54 |
| Office and service buildings..... | 4,426,321.08 |
| Construction plant and inventories..... | 8,779,427.85 |
| Total capital investments in co-operative systems..... | \$338,185,602.37 |
| Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario..... | 54,634,498.89 |
| Northern Ontario Properties—Construction plant and inventories..... | 519,152.37 |
| Total Commission capital investments..... | \$393,339,253.63 |
| Municipalities' distribution systems..... | 110,207,968.64 |
| Other assets of municipal Hydro utilities..... | 41,997,979.36 |
| Total..... | \$545,545,201.63 |

Reserves of Commission and Municipal Electrical Utilities

The total reserves of the Commission and the municipal electrical utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$414,830,047.20, made up as follows:

| | |
|--------------------------------------------------------------------|------------------|
| Southern Ontario system..... | \$221,364,565.22 |
| Thunder Bay system..... | 15,112,946.47 |
| Office and service buildings and equipment..... | 1,765,456.17 |
| Total reserves in respect of co-operative systems' properties..... | \$238,242,967.86 |
| Northern Ontario Properties..... | 24,580,611.46 |
| Fire insurance reserve..... | 176,232.36 |
| Miscellaneous reserves..... | 807,069.49 |
| Employers' liability insurance, and staff pension reserves..... | 13,125,739.57 |
| Total reserves of the Commission..... | \$276,932,620.74 |
| Total reserves and surplus of municipal electric utilities..... | 137,897,426.46 |
| Total Commission and municipal reserves..... | \$414,830,047.20 |

REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Southern Ontario and Thunder Bay systems, aggregated \$52,300,876.97. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$6,096,699.60, making a total (excluding \$227,018.36 of Northern Ontario Properties revenue transferred to Thunder Bay system in respect of power supplied) of \$58,170,558.21.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

Summarized Operating Results**SOUTHERN ONTARIO SYSTEM—THUNDER BAY SYSTEM****RURAL POWER DISTRICTS**

| | | |
|-----------------------------------------------------------------------------------------|-----------------|-----------------|
| Revenue: amount received from or billed against municipalities and other customers..... | \$45,277,630.85 | |
| Revenue from customers in rural power districts (retail)..... | 7,023,246.12 | |
| Total revenue, systems and rural..... | | \$52,300,876.97 |
| Operation, maintenance, administration, interest and other current expenses..... | \$34,225,096.00 | |
| Provision for reserves— | | |
| Renewals..... | \$2,847,313.47 | |
| Contingencies and obsolescence..... | 9,132,976.79 | |
| Stabilization of rates..... | (90,335.81) | |
| Sinking fund..... | 3,250,979.08 | |
| | 15,140,933.53 | |
| | | 49,366,029.53 |
| Balance..... | | \$2,934,847.44 |

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
In trust for the Province of Ontario

| | | |
|-----------------------------------------------------------------------------------------|----------------|----------------|
| Revenue: amount received from or billed against municipalities and other customers..... | | \$6,096,699.60 |
| Operation, maintenance, administration, interest and other current expenses..... | \$4,367,926.87 | |
| Provision for reserves— | | |
| Renewals..... | \$484,696.78 | |
| Sinking fund..... | 1,559,352.05 | |
| | 2,044,048.83 | |
| | | 6,411,975.70 |
| Loss..... | | \$315,276.10 |

COMPARATIVE FINANCIAL STATEMENTS 1945-1946**Cooperative Systems of the Commission****SOUTHERN ONTARIO SYSTEM**

Embracing Niagara, Georgian Bay and Eastern Ontario divisions

| | 1945 | 1946 |
|--------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| | \$ c. | \$ c. |
| OPERATING EXPENSES AND FIXED CHARGES | | |
| Power purchased..... | 10,832,402.63 | 11,237,627.75 |
| Operation, maintenance and administration..... | 8,212,118.86 | 9,547,675.73 |
| Interest..... | 11,696,222.61 | 11,859,115.38 |
| Provision for renewals..... | 2,590,685.26 | 2,670,559.08 |
| Provision for contingencies and obsolescence..... | 10,640,505.26 | 8,575,543.00 |
| Sinking fund..... | 2,993,496.03 | 3,038,449.91 |
| TOTAL COST OF POWER..... | 46,965,430.65 | 46,928,970.85 |
| REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates | 49,083,310.70 | 49,808,740.93 |
| Net balance credited to municipalities under cost contracts.... | 2,117,880.05 | 2,879,770.08 |

THUNDER BAY SYSTEM

| | 1945 | 1946 |
|--------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| | \$ c. | \$ c. |
| OPERATING EXPENSES AND FIXED CHARGES | | |
| Operation, maintenance and administration..... | 493,229.05 | 672,703.85 |
| Interest..... | 867,165.10 | 907,973.29 |
| Provision for renewals..... | 166,639.99 | 176,754.39 |
| Provision for contingencies and obsolescence..... | 566,797.02 | 557,433.79 |
| Provision for stabilization of rates..... | (48,619.76) | (90,335.81) |
| Sinking fund..... | 199,891.67 | 212,529.17 |
| TOTAL COST OF POWER..... | 2,245,103.07 | 2,437,058.68 |
| REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates | 2,302,101.75 | 2,492,136.04 |
| Net balance credited to municipalities under cost of contracts.. | 56,998.68 | 55,077.36 |

MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

| | |
|-------------------------------------------------------------------|-----------------|
| Total revenue collected by the municipal electric utilities. | \$46,233,400.34 |
| Cost of power. | \$28,584,101.31 |
| Operation, Maintenance and administration. | 8,225,733.56 |
| Interest. | 521,209.05 |
| Sinking fund and principal payments on debentures. | 1,208,798.79 |
| Depreciation and other reserves. | 4,267,677.13 |
| <hr/> | |
| Total. | 42,807,519.84 |
| <hr/> | |
| Surplus. | \$3,425,880.50 |
| <hr/> | |

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

SOUTHERN ONTARIO SYSTEM

The total plant assets of the Southern Ontario system utilities amount to \$105,540,709.94. The total assets, including an equity in the H-E.P.C. of \$76,331,106.59 aggregate \$222,034,482.92. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C. amount to \$131,966,775.04, an increase of \$7,598,026.24 during the year 1946. The percentage of net debt to total assets is 5.5, a reduction of 1.4 per cent.

The total revenue of the municipal electric utilities served by this system was \$45,054,711.46, an increase of \$2,536,008.18 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up depreciation and other reserves amounting to \$4,205,691.13 and providing \$1,203,543.95 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Southern Ontario system amounted to \$3,291,690.65, as compared with \$4,262,101.59 the previous year.

THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,918,178.26. The total assets, including an equity in the H-E.P.C. of \$4,339,230.26, aggregate \$8,727,901.27. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C. amount to \$4,003,256.51 an increase of \$185,047.25 during the year 1946. The percentage of net debt to total assets is 5.8, a reduction of 0.3 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,178,688.88, a decrease of \$4,869.74 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up depreciation and other reserves amounting to \$61,986.00 and providing \$5,254.84 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$134,189.85 as compared with a net surplus of \$164,006.64 for the previous year.

The Hamilton Street Railway Company

Under authority of The Power Commission Act 1930 and Order-in-Council dated April 3, 1930, the Commission acquired as at December 31, 1929 the properties, assets and undertaking of Dominion Power and Transmission Company Limited, including the issued capital stock of The Hamilton Street Railway Company. The Commission continued to operate the Railway on behalf of the Niagara division of the Southern Ontario system, until September 15, 1946.

In 1946 the Legislature enacted "The Hamilton Street Railway Act, 1946". This Act reduced the authorized share capital of the Company from \$4,000,000 divided into 80,000 shares of \$50 each to \$2,000,000 divided into 80,000 shares of \$25 each and authorized the return to the Commission of \$1,602,500, being \$25 per share in respect of each of the 64,100 issued shares of the Company. Subsequently the Commission offered the issued shares of the Company for sale by advertising for tenders under specific terms. The Commission accepted the highest tender of \$1,400,000. The transaction was closed as at September 16, 1946, in accordance with the terms of sale. Certain net reserves and dividends totalling \$2,243,570.60 arising out of this sale were transferred to the "Stabilization Account" of the Southern Ontario system. (See page 148)

*

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The work covered by this Report was performed under the Chairmanship of Dr. T. H. Hogg, who retired on pension on February 28, 1947. The Commission, however, is pleased to announce that while Dr. Hogg has relinquished his executive duties, he is still serving the Commission in a technical capacity as consulting engineer.

This Report would not be complete without the Commission thanking its staff for its faithful and efficient service, and also expressing its gratitude for the continued support given by the press of the Province.

Respectfully submitted,

GEORGE H. CHALLIES,

Vice-Chairman

TORONTO, ONTARIO, MARCH 31, 1947

HON. GEORGE H. CHALLIES, Phm.B., M.L.A.,

*Vice-Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.*

Sir:

I have the honour to submit, herewith, the Thirty-ninth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1946. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,

Secretary

IN
NORTHERN
ONTARIO



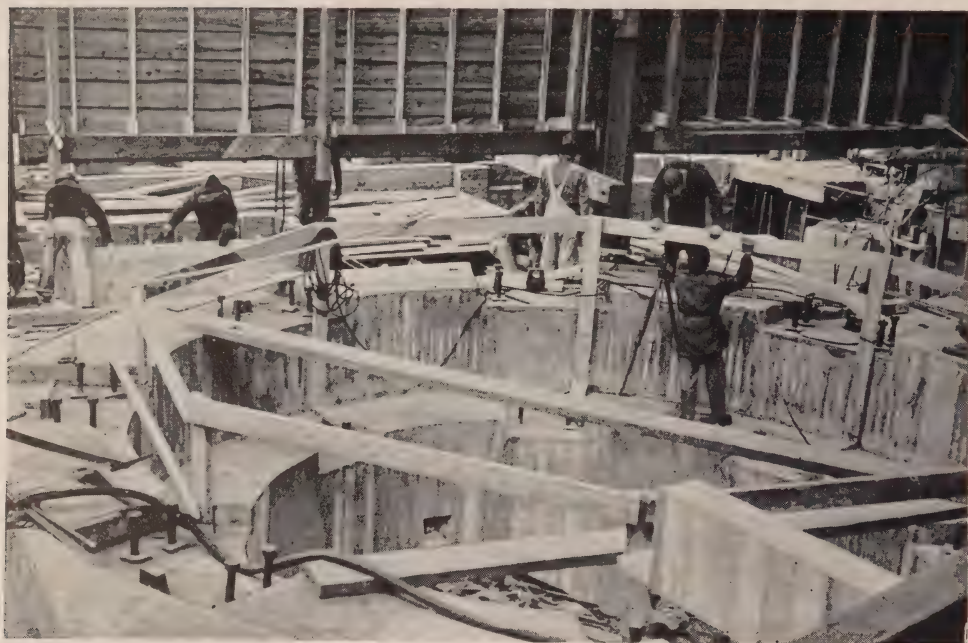
Hydro Power
The mainspring
of successful
mining



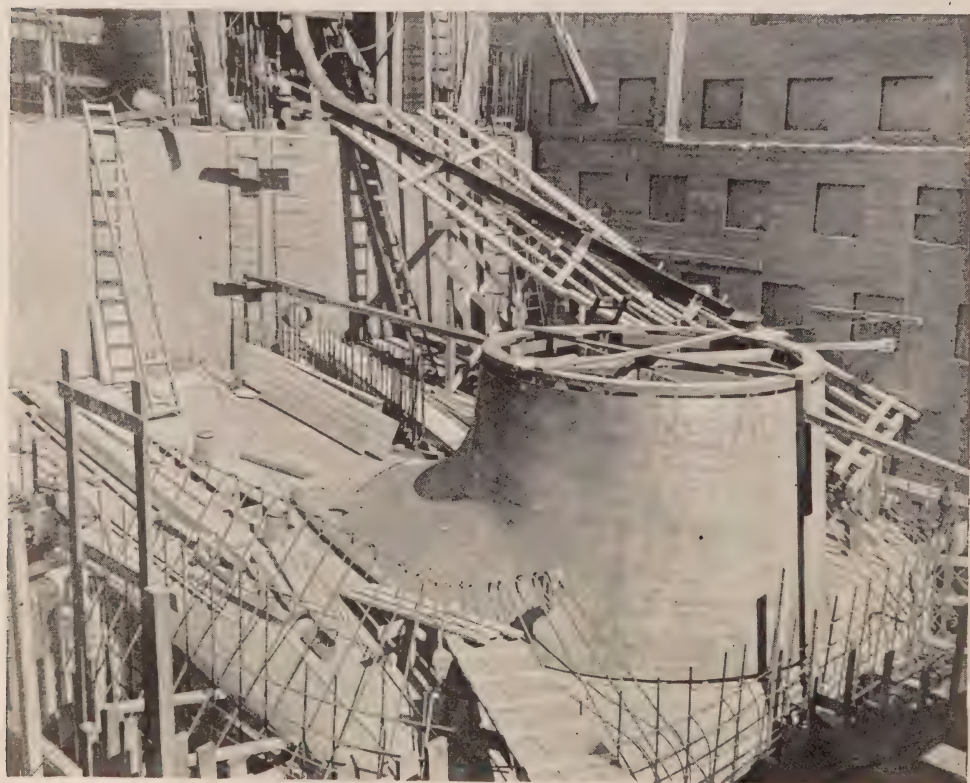
Above: Typical mine shaft

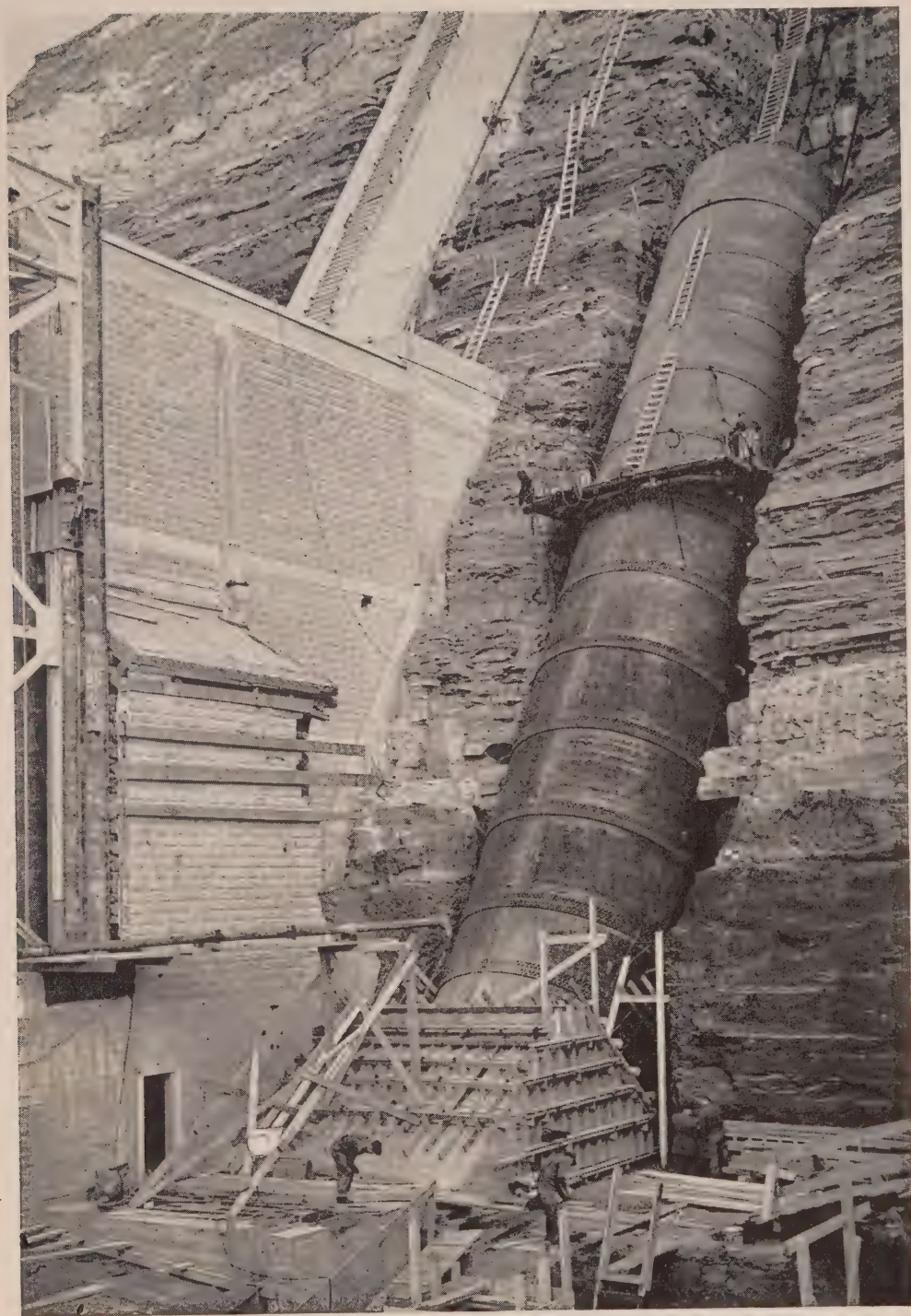
Below: The airplane brings supplies for a Hydro project





DECEW FALLS POWER DEVELOPMENT—Above: Power-house substructure showing turbine pit of No. 2 unit. Below: Draft tube forms

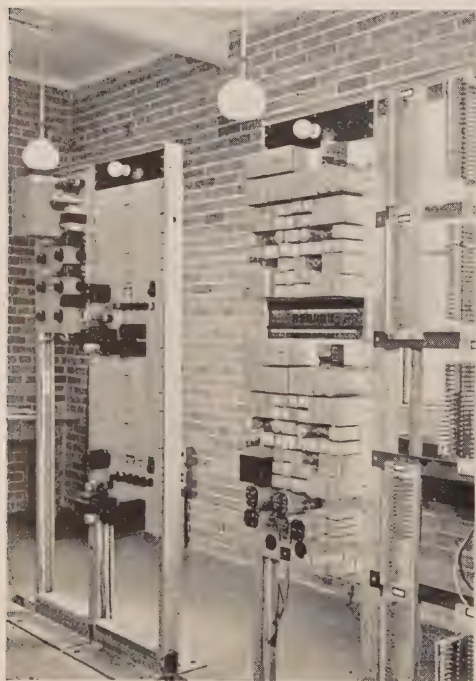




DECEW FALLS POWER DEVELOPMENT —
Erection of 16-foot penstock for No. 2 unit



IMPROVEMENT OF COMMUNICATIONS—Above: New telephone house at Chats Falls. Below: Carrier terminal equipment in new telephone house

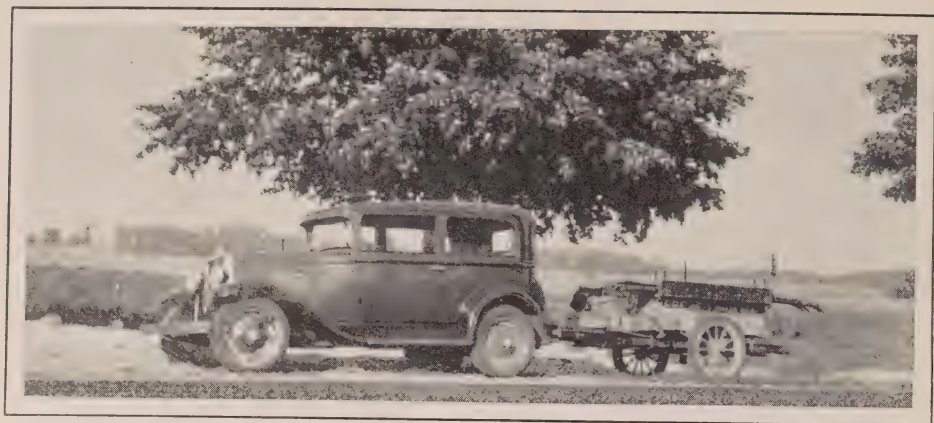




LONG LAKE CONTROL DAM: Through this dam is released the water supply from the Long lake diversion project, to augment the flow of the Aguasabon river on which the Commission is constructing a power development



DES JOACHIMS POWER DEVELOPMENT—Preliminary work, in tail-race channel below power-house site. Taking soundings from cable across river to similar structure seen beneath pole at left

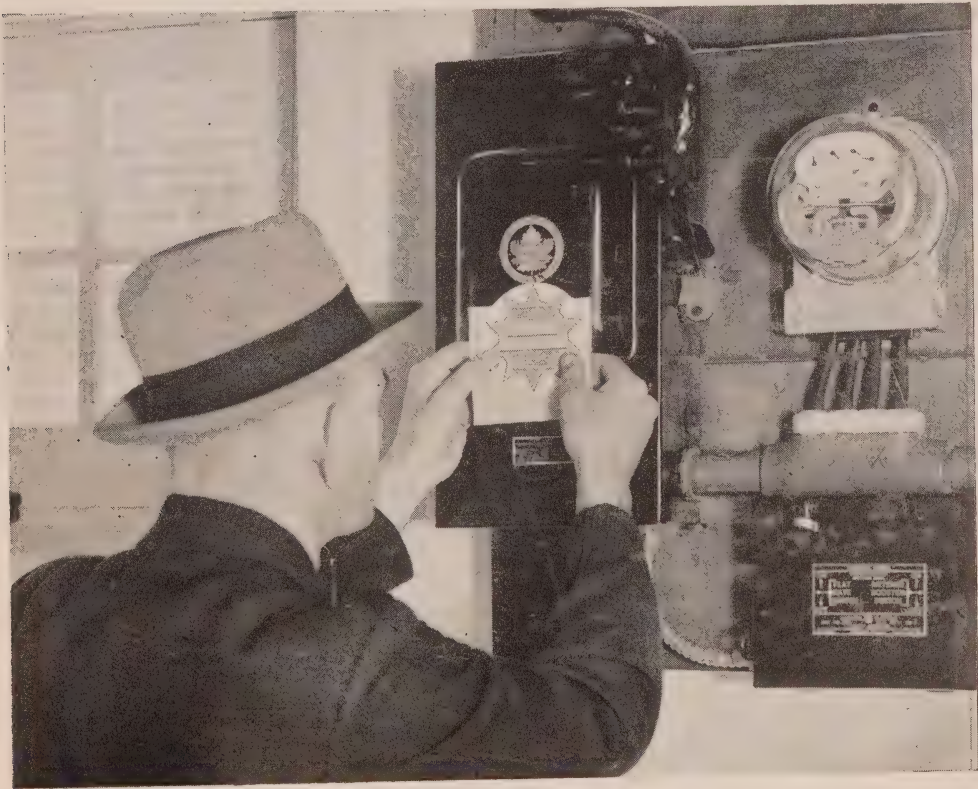


PROGRESS IN TRANSPORTATION OF FORESTRY WORKERS

1—Car with equipment on trailer as used up to 1931. 2—Truck equipped with specially designed body for transportation of workers and tools, and disposal of brush. Used to 1936. 3—Improved combination unit for same purposes but having a weather-proof compartment for workers in front body. This is now being superseded by all steel body trucks, illustrated on page 35



DECENTRALIZATION OF INDUSTRY — A modern manufacturing plant at Barrie, Ontario



THE RED SEAL—Symbol of a well wired home



THE
LINEMEN'S
TRAINING
SCHOOL

Learning to erect a pole



TORNADO DAMAGE—Razed by a tornado, a transmission tower similar to that at the extreme left of the picture lies in a flooded field near Windsor

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THIRTY-NINTH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

FOREWORD
and
Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in southern Ontario. In 1907 the Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906, and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62, and subsequent amending Acts—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty-six years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1946 the Commission was serving 924 municipalities in Ontario. This number included 26 cities, 125 towns and mining townsites, 304 villages and police villages and 469 townships. With the exception of 13 suburban sections of townships known as "voted areas," the townships and 123 of the smaller villages are now served as an amalgamated rural division of Hydro service with a uniform rate structure. Thus, no matter where rural service is given in Ontario by the Hydro, the rural consumer for the same class of service with the same consumption of electricity, pays the same amount on his quarterly bill.

Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities

and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems", and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the two main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of operations, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

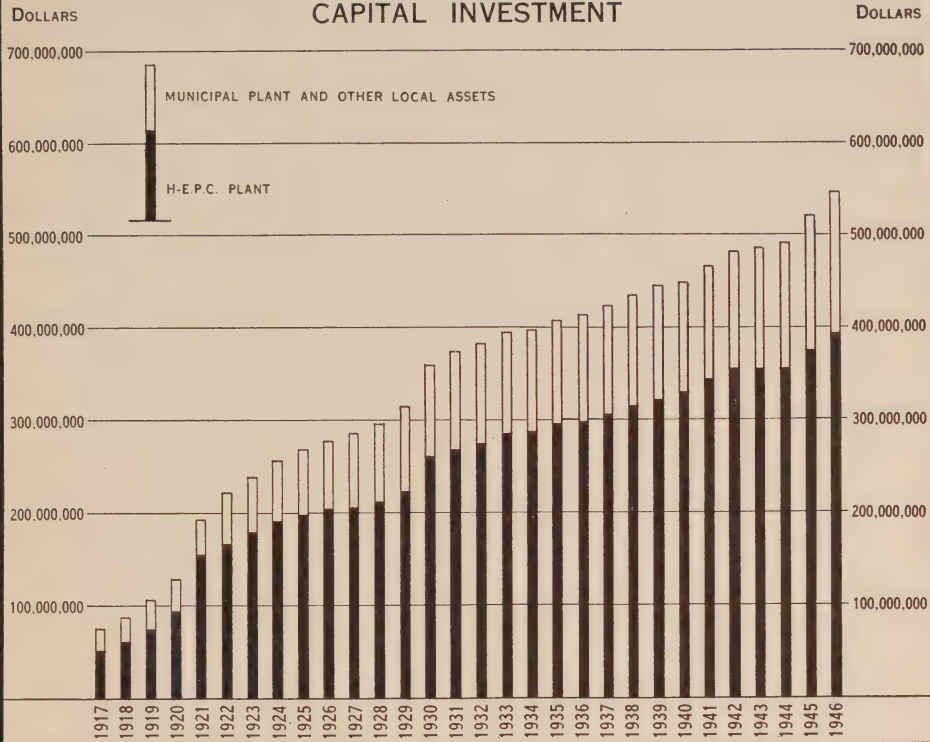
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers, within the limits of the areas served by the various municipal utilities and throughout the rural areas of the Province. In the case of the consolidated rural power districts The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers, within the rural operating areas. Summary financial statements relating to rural electrical service are presented in Section IX of the Report, and a general report on this service is given in Section IV.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

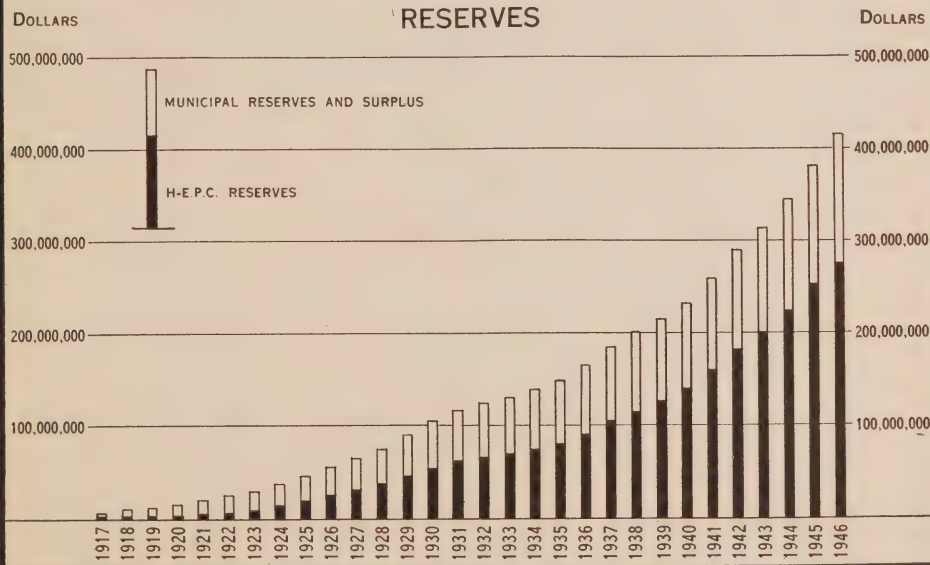
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

THIRTY YEARS RECORD — ALL SYSTEMS

CAPITAL INVESTMENT



RESERVES



For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

Further details respecting administration and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 123 and 203.

Co-operative Systems Operating

From time to time in accordance with provisions of *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. Early in 1944 the three systems serving southern Ontario, the Niagara, Georgian Bay and Eastern Ontario systems, were amalgamated to form the *Southern Ontario System* and financially the amalgamation was made retroactive to apply to the fiscal year 1942-43. The three former systems are now known as *divisions* of the Southern Ontario system.

The Niagara division embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with 25-cycle power supplied from plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

The Georgian Bay division comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara division. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies, 60 cycles, are derived chiefly from local water power developments.

The Eastern Ontario division serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara divisions. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies, 60 cycles, are from local developments supplemented by purchases from other sources.

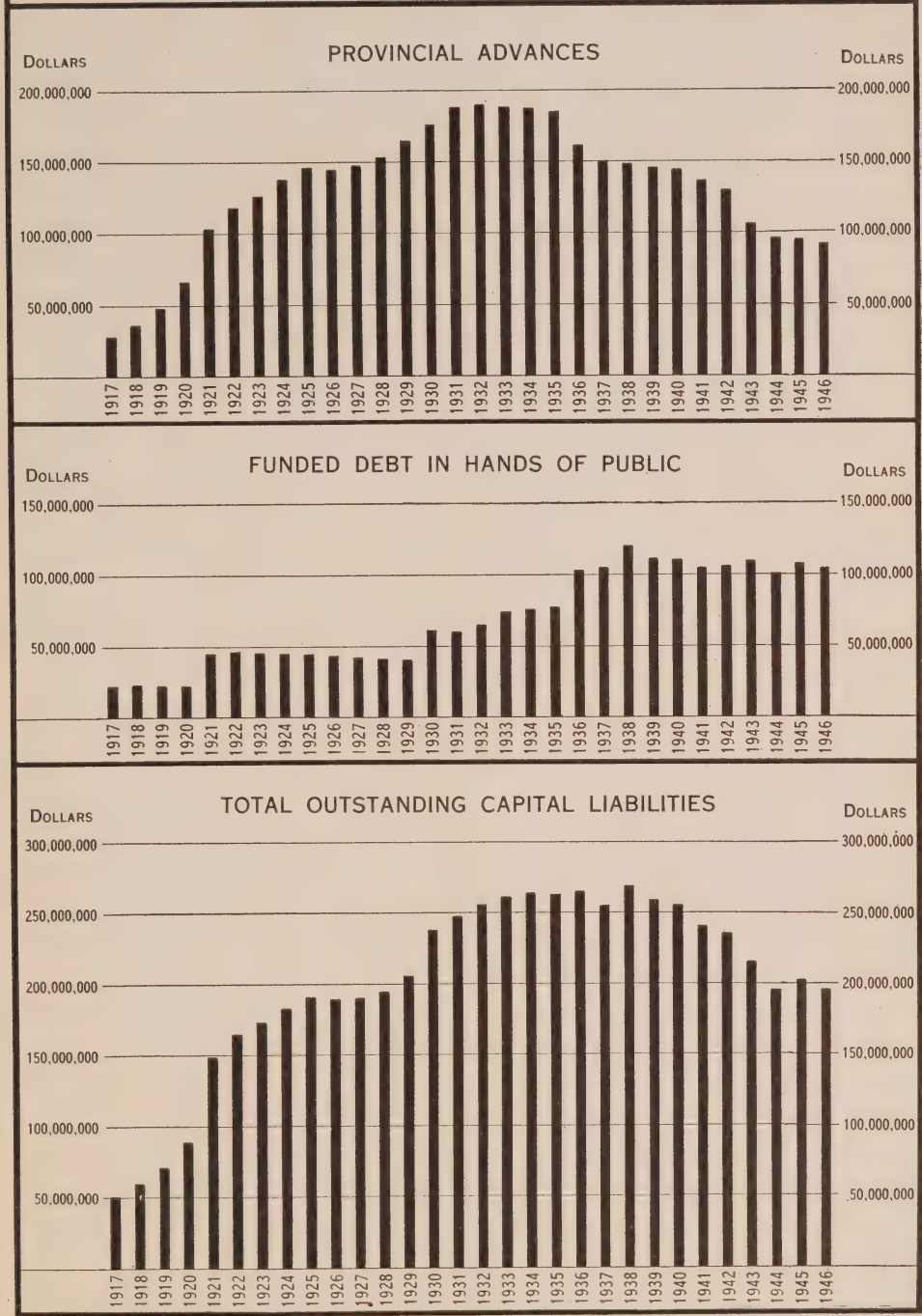
The Thunder Bay System comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply 60-cycle power.

Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The principal areas in the vast territory of northern Ontario at present receiving service are the *Abitibi District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Timiskaming District* comprising the

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

PROVINCIAL ADVANCES AND FUNDED DEBT



drainage basins of the Matabitchuan river, the Montreal river and a portion of the Mattagami river with eight generating plants, four 25 cycle and four 60 cycle; the *Sudbury District* comprising the city of Sudbury and the adjoining mining area known as Sudbury Basin; the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Patricia District* comprising the territory within transmission distance from the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river; and the *Rainy River district* which derives its power from the Thunder Bay system. Included in the Northern Ontario Properties are rural districts on Manitoulin island, and others adjacent to the communities served in the various districts of northern Ontario. Power supplies are 60 cycle except from Abitibi canyon development, and four plants in Timiskaming district.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 16 and 17.

The Annual Report

The table of contents, pages xxxiii and xxxiv lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 15 to 37, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section IV on pages 55 to 74.

In Sections VI and VII will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

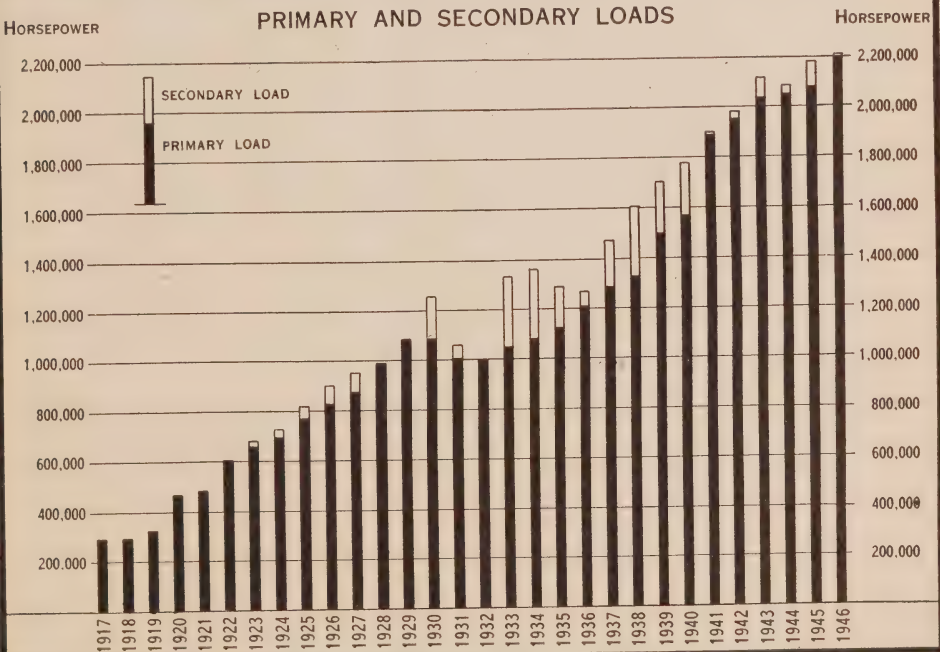
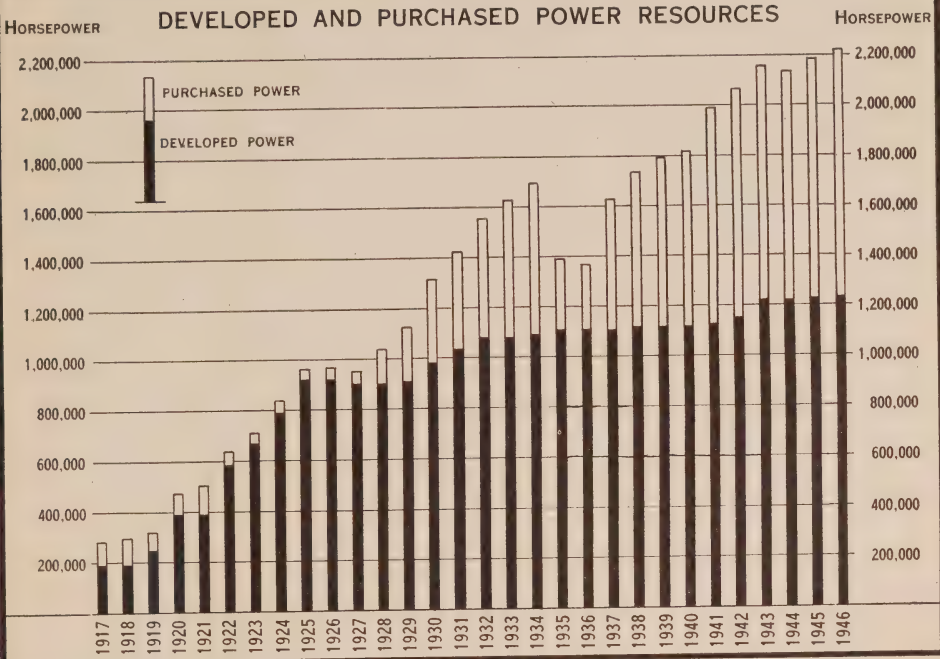
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in Statement "E" starting on page 340. For the rural power districts they are given in Section IV on page 60. Certain statistical data resulting from the application of the rates in urban utilities are given in Statement "D". This statement is prefaced by a special introduction starting on page 320.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

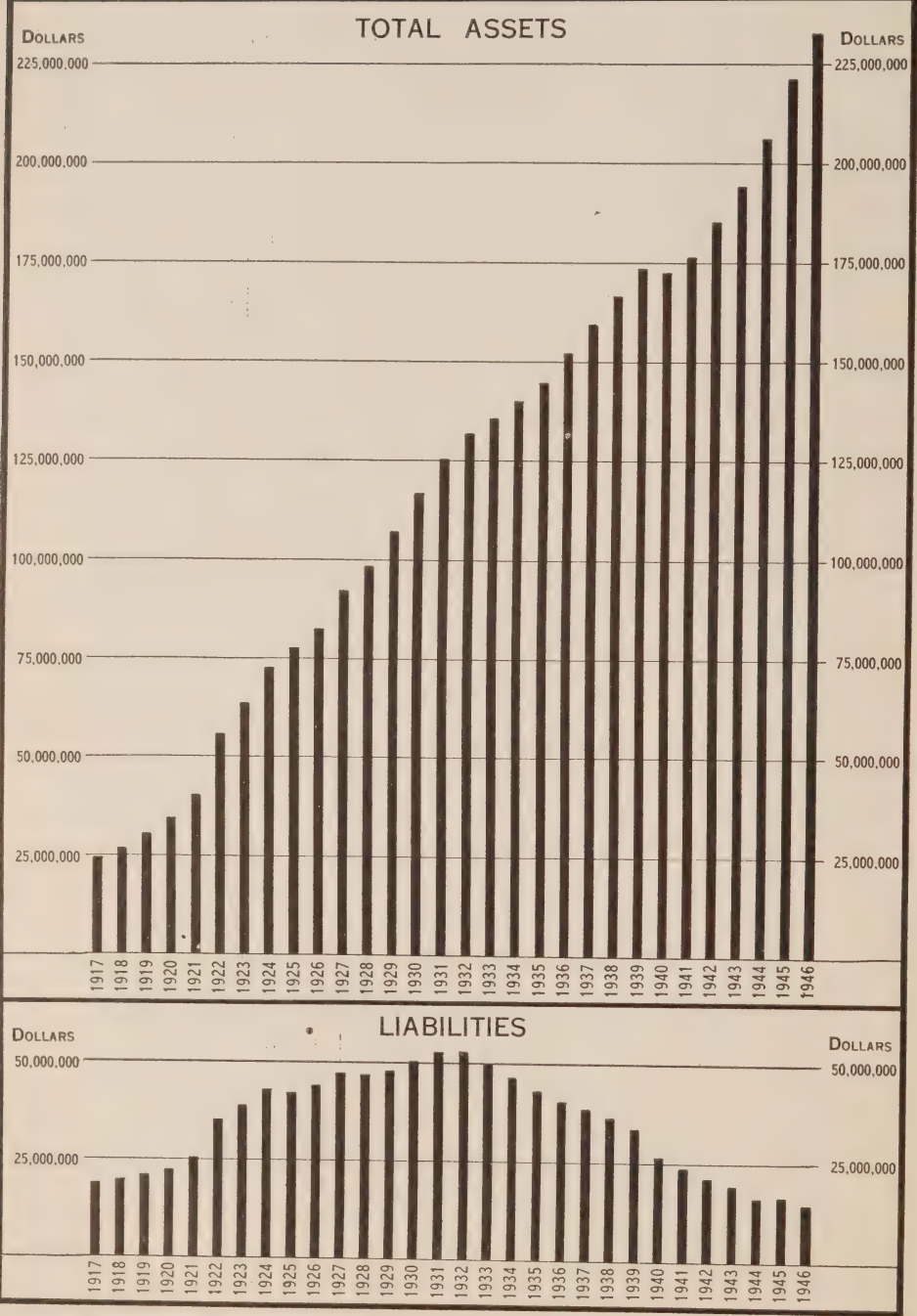
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

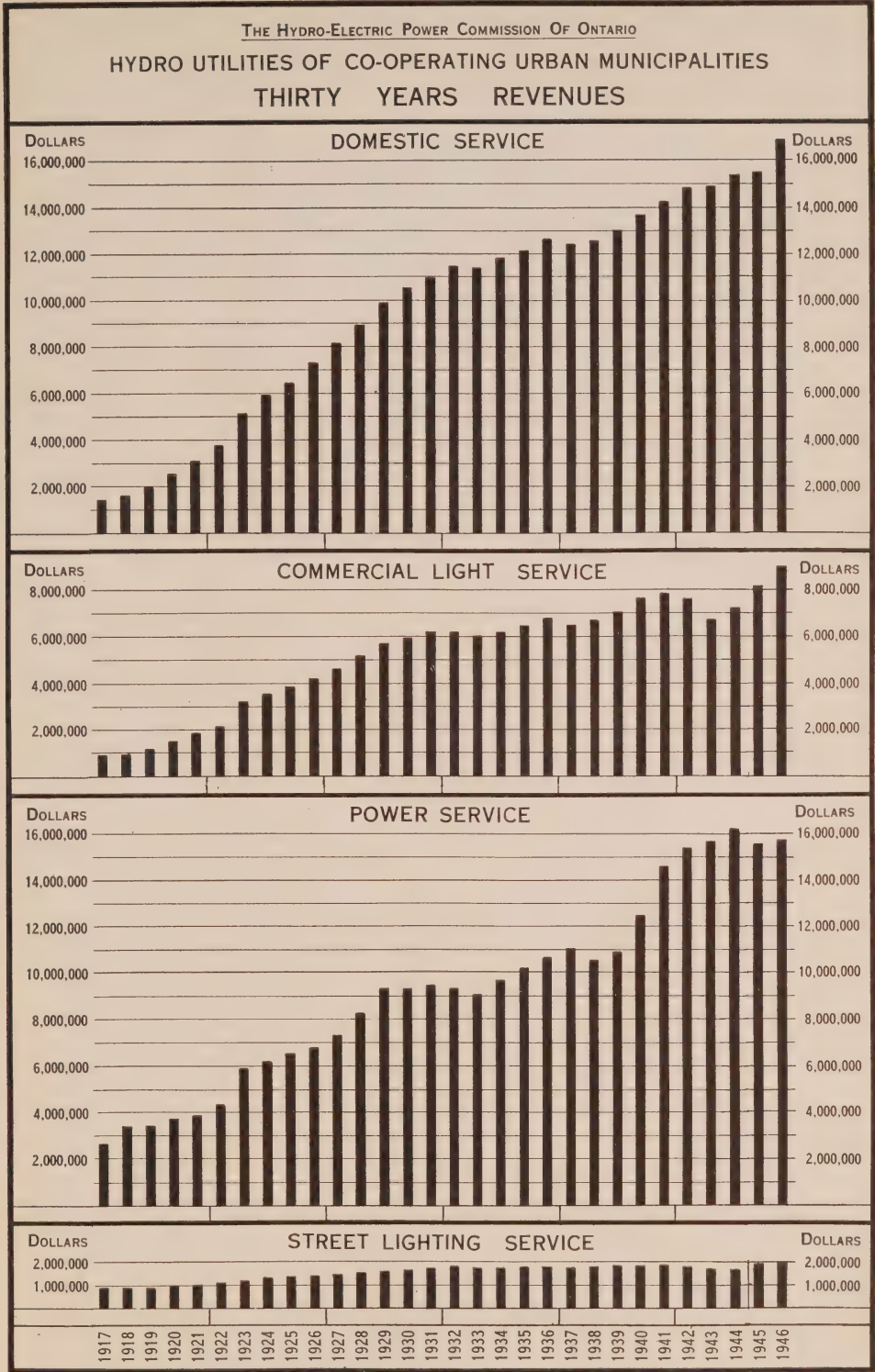
THIRTY YEARS RECORD — SOUTHERN ONTARIO SYSTEM



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
THIRTY YEARS RECORD





SECTION I

LEGAL

AT THE 1946 Session of the Legislative Assembly of the Province of Ontario an Act respecting The Hydro-Electric Power Commission of Ontario was passed. The said Act is reproduced in full in Appendix I of this Report. The short title of the Act is as follows:

The Power Commission Amendment Act, 1946, Chapter 73.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

CO-OPERATIVE SYSTEMS

VILLAGES

| | | | |
|-----------------|---------------|---------------|----------------|
| Bobcaygeon..... | April 9, 1946 | Tiverton..... | Sept. 19, 1946 |
|-----------------|---------------|---------------|----------------|

TOWNSHIPS

| | | | |
|-----------------|----------------|----------------------------------------|---------------|
| Alfred..... | Dec. 5, 1945 | Oro..... | April 2, 1946 |
| Darlington..... | Mar. 2, 1946 | Reach..... | June 1, 1946 |
| Dover..... | July 10, 1946 | Rolph, Wylie, Buchanan & McKay..... | Mar. 27, 1946 |
| Eramosa..... | Jan. 7, 1946 | Ryerson..... | Dec. 15, 1945 |
| Esquesing..... | Sept. 3, 1946 | Uxbridge..... | Mar. 11, 1946 |
| Greenock..... | Oct. 26, 1946 | Yarmouth..... | Sept. 9, 1946 |
| Guelph..... | July 18, 1946 | | |
| McMurrich..... | Sept. 22, 1945 | | |

IMPROVEMENT DISTRICT

| | |
|-------------------|---------------|
| Wasaga Beach..... | Mar. 12, 1946 |
|-------------------|---------------|

CORPORATIONS

| | |
|------------------------------------------------------------------------------------|---------------|
| American Nepheline Limited..... | Aug. 2, 1946 |
| Atlas Steels Limited..... | July 23, 1946 |
| Atlas Steels Limited and The Hydro-electric Commission of the City of Welland..... | Dec. 17, 1946 |
| Beaver Wood Fibre Company, Limited..... | June 27, 1946 |
| Beaver Wood Fibre Company, Limited..... | Dec. 18, 1946 |
| Brompton Pulp & Paper Company Limited..... | Aug. 2, 1946 |
| Canada Talc Limited..... | Mar. 6, 1946 |
| Canadian Industries Limited..... | Aug. 26, 1946 |
| Canadian Northern Ontario Railway Company..... | Mar. 30, 1946 |
| Canadian Pacific Railway Company—"Agreement A"..... | June 29, 1946 |
| Canadian Pacific Railway Company—"Agreement B"..... | June 29, 1946 |
| Cedars Rapids Transmission Company, Limited..... | June 4, 1946 |

CORPORATIONS (Continued)

| | |
|-------------------------------------------------------------------------------------------|----------------|
| Exolon Company Incorporated..... | Feb. 4, 1946 |
| Hayes Steel Products Limited..... | May 29, 1946 |
| His Majesty the King, represented by the Deputy Minister of National Defence for Air..... | April 1, 1946 |
| His Majesty the King, represented by the Minister of National Defence for air..... | Sept. 1, 1946 |
| International Nickel Company of Canada Limited..... | Nov. 11, 1946 |
| Maple Leaf Milling Company, Limited..... | Dec. 2, 1946 |
| National Harbour Board..... | April 17, 1946 |
| Norton Company..... | Nov. 28, 1946 |
| Ontario Paper Company Limited..... | Aug. 26, 1946 |
| Page-Hersey Tubes, Limited..... | Nov. 20, 1946 |
| Roe, A.V., Canada Limited..... | Dec. 1, 1945 |
| Somerville Limited..... | June 3, 1946 |
| University of Toronto..... | June 13, 1946 |

NORTHERN ONTARIO PROPERTIES

TOWN

| | |
|-----------------|---------------|
| Chelmsford..... | Aug. 11, 1941 |
|-----------------|---------------|

TOWNSHIPS

| | | | |
|--------------------|---------------|--------------|---------------|
| Balfour..... | Aug. 11, 1941 | Hanmer..... | Aug. 11, 1941 |
| Barrie Island..... | May 3, 1941 | Rayside..... | Aug. 13, 1941 |
| Bleazard..... | Aug. 11, 1941 | | |

MUNICIPALITIES

| | | | |
|------------------|----------------|----------|--------------|
| Black River..... | April 13, 1946 | Emo..... | Mar. 6, 1940 |
| Lavallee..... | April 6, 1940 | | |

CORPORATIONS

| | |
|---------------------------------------------------------------------------------------|----------------|
| Amalgamated Larder Mines Limited..... | Jan. 7, 1946 |
| Bayview Red Lake Gold Mines Limited..... | Jan. 15, 1946 |
| Bidgood Kirkland Gold Mines Limited..... | June 6, 1946 |
| Buffalo Ankerite Gold Mines Limited..... | Jan. 4, 1946 |
| Campbell Red Lake Mines Limited..... | Jan. 28, 1946 |
| Canadian Northern Ontario Railway Company..... | June 1, 1946 |
| Dickenson Red Lake Mines Limited..... | Jan. 11, 1946 |
| Falconbridge Nickel Mines Limited..... | Feb. 28, 1946 |
| Golden Arrow Mines Limited..... | April 16, 1946 |
| Hallnor Mines Limited..... | May 7, 1946 |
| Heath Gold Mines, Limited..... | Jan. 2, 1946 |
| Hollinger Consolidated Gold Mines Limited..... | June 5, 1946 |
| Hudson-Rand Gold Mines Limited..... | Mar. 13, 1946 |
| Huronian Company Limited and The International Nickel Company of Canada, Limited..... | April 19, 1946 |
| Huronian Company Limited..... | April 19, 1946 |
| Huronian Company Limited and The International Nickel Company of Canada Limited..... | Oct. 2, 1946 |
| Lake Rowan (1945) Mines Limited..... | Jan. 11, 1946 |
| Lebon Gold Mines Limited..... | Jan. 28, 1946 |
| Madsen Red Lake Gold Mines Limited..... | May 23, 1946 |
| Matachewan Consolidated Gold Mines Limited..... | Sept. 27, 1946 |
| Naybob (1945) Gold Mines Limited..... | May 17, 1946 |
| Nickel Offsets Limited..... | Sept. 16, 1946 |
| Omega Gold Mines..... | April 1, 1946 |
| Pamour Porcupine Mines Limited..... | May 7, 1946 |
| Paymaster Consolidated Mines Limited..... | Mar. 6, 1946 |
| Porcupine Reef Gold Mines, Limited..... | May 16, 1946 |
| Preston East Dome Mines, Limited..... | Aug. 16, 1946 |
| Queenston Gold Mines, Limited..... | Sept. 25, 1946 |
| Silanco Mining & Refining Company Limited..... | Aug. 9, 1946 |
| Silanco Mining & Refining Company Limited..... | Aug. 22, 1946 |
| Wright-Hargreaves Mines Limited..... | Aug. 10, 1946 |

RIGHT-OF-WAY AND PROPERTY

THE continuing activity in the construction programmes, particularly in the development of additional power sites, has created a large demand for the purchase of property for flooding purposes, station sites, and transmission line rights-of-way. Where ownership of the land affected was not considered necessary, suitable easement rights were obtained.

SOUTHERN ONTARIO SYSTEM

Continuing as in recent years, term easements have been renewed upon expiration, and rights-of-way obtained for newly constructed high-tension transmission lines and rural lines.

Several properties were secured for rural operating area offices, and existing offices have been maintained and where necessary improved.

Niagara Division

Progress has been made in the purchase of lands and easement rights required for the raising of water elevations for power developments on the upper Ottawa river and Madawaska river. Negotiations were commenced to divert existing highway and railway facilities for a distance of approximately 10 miles to provide an adequate water storage area. Arrangements were also made to move a number of existing buildings.

Easement rights were obtained for a 110,000-volt steel-tower transmission line extending northwesterly from Scarborough frequency-changer and transformer station to Barrie transformer station.

Property was purchased to provide a right-of-way for a transmission line from the new Scarborough frequency-changer and transformer station to Leaside transformer station.

Easements were secured and property purchased for the 110,000-volt line from Scarborough frequency-changer and transformer station to Oshawa.

A site was purchased for the new Scarborough frequency-changer and transformer station.

Additional easement rights were secured for the steel-tower line from Kent transformer station to St. Clair transformer station.

Additional lands were purchased for the Islington transformer station and service centre.

The proposed 220,000-volt line from Des Joachims to Burlington was studied and a large amount of preliminary work completed.

Additional property was purchased and easement rights secured in connection with the DeCew Falls development.

Georgian Bay System

Easement rights were obtained for a transmission line from Coldwater junction to Bass Lake distribution station, and from Thornton junction to Alcona Beach distribution station.

Additional term easements were renewed and easement rights negotiated for newly constructed lines.

Property was purchased for several distribution stations including those at Grand Valley and Port Elgin.

Eastern Ontario Division

Several additional properties were purchased in connection with the Stewartville development.

Further progress was made in the acquisition of easement rights for the 110,000-volt transmission line from Merivale Road junction to Cornwall transformer station.

Easement rights were secured for a feeder line from Frontenac transformer station to the Canadian Industries Limited nylon plant situated on the outskirts of Kingston.

A large amount of preliminary work was done in connection with a proposed line from Barrett Chute to Oshawa and some settlements were obtained.

A site was purchased for a transformer station at Cobden.

Easement rights were purchased for a number of rural service lines constructed during the past year.

Buildings were purchased and are being renovated for use as rural offices and superintendents' residences for Plantagenet and Delta rural operating areas.

THUNDER BAY SYSTEM

Progress was made in obtaining a right-of-way for a 110,000-volt steel-tower line from Alexander generating station to Aguasabon, where a new development is being constructed.

An extensive rural service programme in the Fort Francis area made it necessary to acquire many easement rights.

NORTHERN ONTARIO PROPERTIES

Negotiations for many easement rights needed but not previously secured were completed, and rights-of-way for newly constructed lines were acquired in various areas served by the Northern Ontario Properties.

A site was purchased for a distribution station at Blezzard Valley.

SURVEYS

The survey work of the Commission has greatly increased because of the hydraulic developments now in progress at DeCew Falls, Stewartville and Des Joachims and the many new stations and transmission lines being built throughout the Province.

GENERAL

Assessment notices and tax bills from 375 municipalities were certified and where necessary appeals were entered against assessments not in accordance with The Power Commission Act. A total of 762.54 acres of land was acquired for the Commission's purposes, and during the year 165.40 acres of surplus land were sold.

All available land was leased for agricultural or other purposes and the revenue derived therefrom continued to increase.

A number of recently acquired buildings in the immediate vicinity of the head office were renovated for use as temporary office space.

A total of 4,406 documents were secured and recorded during the past year.

SECTION II

OPERATION OF THE SYSTEMS

DURING the fiscal year ended October 31, 1946, no permanently new generating capacity was added to the Commission's power resources. From June 1 to November 30, 1946, the 5,000 horsepower steam plant of the War Assets Corporation at Nobel was operated by the Commission on a rental basis to augment the power sources available to the Georgian Bay division of the Southern Ontario system.

Water conditions during the 1945-46 winter season were very favourable. An early 1946 spring run-off, one full month ahead of normal, was followed by extremely light precipitation, especially in the southern part of the Province. This caused a serious water shortage during the summer and fall months on the rivers supplying the generating stations on the Georgian Bay and the Eastern Ontario divisions of the Southern Ontario system. Not for several years had there been so serious a seasonal water shortage on these rivers. In the northern part of the Province water conditions, on the whole, were similar, though not as serious as those in Southern Ontario, with the result that most storage reservoirs throughout the Province were much below normal level on entering the 1946-47 winter season.

Except for a cyclone which did a large amount of damage to the Commission's transmission lines in the Windsor area, no special operating difficulties were encountered on the Southern Ontario system, although it was a problem, with power demands still holding at or above wartime levels, to release equipment from service duties for necessary maintenance.

Load Conditions November 1, 1945. to October 31, 1946

Contrary to the expectation that power demands would recede following the ending of the war, primary demands continued to rise above those of the war years. Throughout the winter of 1945-46 primary peak loads continued, month by month, to exceed the demand for the corresponding month of the previous year, and not until the spring and summer months, when labour disputes closed down many plants, was there any appreciable drop in demand from the previous year. In October 1946, following the settlement of most of the labour disputes and the return of closed-down plants to production, primary demands reached an all-time high.

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

| Generating plants | Maximum normal plant capacity Oct. 31, 1946 horsepower | Peak load during fiscal year | | Total output during fiscal year | |
|--------------------------------------------------------------------|--------------------------------------------------------------|------------------------------|----------------------------|---------------------------------|-------------------------------|
| | | 1944-45 horse- power | 1945-46 horse- power | 1944-45 kilowatt- hours | 1945-46 kilowatt- hours |
| SOUTHERN ONTARIO SYSTEM | | | | | |
| Niagara division | | | | | |
| Queenston-Chippawa—Niagara river..... | 500,000 | 495,979 | 516,086 | 2,849,865,000 | 2,749,065,000 |
| "Ontario Power"—Niagara river..... | 180,000 | 184,987 | 183,646 | 1,123,406,300 | 1,115,761,700 |
| "Toronto Power"—Niagara river..... | 150,000 | 146,113 | 144,772 | 844,141,900 | 841,152,400 |
| Chats Falls (Ontario half)—Ottawa river... | 108,000 | 117,292 | 115,952 | 324,656,150 | 378,919,150 |
| DeCew Falls (25 cycle)—Welland canal..... | 72,000 | 71,582 | 74,799 | 411,503,000 | 378,532,000 |
| DeCew Falls (66 2/3 cycle)—Welland canal..... | 50,000 | 49,598 | 51,609 | 196,880,900 | 193,767,400 |
| Georgian Bay division | | | | | |
| Big Eddy—Muskoka river..... | 9,500 | 10,556 | 10,590 | 38,117,600 | 34,691,520 |
| Ragged Rapids—Muskoka river..... | 10,000 | 10,858 | 11,361 | 41,514,510 | 39,104,910 |
| Bala No. 1 and No. 2—Muskoka river..... | 600 | 509 | 496 | 1,377,840 | 2,031,760 |
| South Falls—South Muskoka river..... | 5,600 | 5,764 | 5,764 | 30,719,820 | 29,421,390 |
| Hanna Chute—South Muskoka river..... | 1,600 | 1,743 | 1,743 | 9,227,500 | 9,062,100 |
| Trethewey Falls—South Muskoka river..... | 2,300 | 2,279 | 2,279 | 11,476,800 | 11,284,800 |
| Big Chute—Severn river..... | 5,800 | 5,871 | 5,952 | 26,507,120 | 25,988,360 |
| Wadells Falls—Severn river..... | 1,200 | 1,086 | 1,206 | 4,019,964 | 3,793,909 |
| Eugenia Falls—Beaver river..... | 7,500 | 7,882 | 7,614 | 23,050,400 | 22,955,200 |
| Hanover—Saugeen river..... | 400 | 402 | 402 | 552,528 | 1,142,688 |
| Walkerton—Saugeen river..... | 500 | 483 | 496 | 2,159,100 | 2,110,000 |
| Caledon Electric—Credit river (Hydraulic and Diesel units)..... | 800 | 637 | 757 | 1,412,660 | 1,347,120 |
| Nobel steam plant—Rented from the War Assets Corporation..... | 5,000 | ..... | 4,993 | ..... | 2,423,040 |
| Eastern Ontario division | | | | | |
| Sidney—Dam No. 2—Trent river..... | 4,500 | 5,395 | 5,362 | 23,288,100 | 21,558,000 |
| Frankford—Dam No. 5—Trent river..... | 3,500 | 3,887 | 3,954 | 17,519,650 | 16,264,050 |
| Sills Island—Dam No. 6—Trent river..... | 2,100 | 2,252 | 2,232 | 10,231,040 | 10,504,720 |
| Meyersburg—Dam No. 8—Trent river..... | 7,000 | 7,942 | 7,842 | 38,684,020 | 35,470,720 |
| Hague's Reach—Dam No. 9—Trent river..... | 4,500 | 5,060 | 5,027 | 23,808,220 | 21,432,470 |
| Ranney Falls—Dam No. 10—Trent river..... | 11,500 | 12,252 | 11,810 | 59,409,280 | 53,429,740 |
| Seymour—Dam No. 11—Trent river..... | 4,200 | 4,692 | 4,457 | 21,505,440 | 18,749,760 |
| Heely Falls—Dam No. 14—Trent river..... | 15,300 | 16,287 | 16,086 | 75,443,900 | 63,984,330 |
| Auburn—Dam No. 18—Trent river..... | 2,400 | 2,869 | 2,668 | 12,304,920 | 10,900,010 |
| Lakefield—Otonabee river..... | 2,300 | 2,373 | 2,473 | 7,464,580 | 8,601,690 |
| Fenelon Falls—Dam No. 30—Sturgeon river..... | 1,000 | 891 | 938 | 3,300,575 | 3,832,265 |
| Galetta—Mississippi river..... | 1,100 | 1,206 | 1,200 | 2,902,200 | 2,998,800 |
| High Falls—Mississippi river..... | 3,400 | 3,485 | 3,519 | 9,421,920 | 10,563,840 |
| Calabogie—Madawaska river..... | 6,000 | 6,434 | 6,676 | 26,942,330 | 25,276,240 |
| Barrett Chute—Madawaska river..... | 54,000 | 53,619 | 54,960 | 171,236,600 | 162,809,200 |
| THUNDER BAY SYSTEM | | | | | |
| Cameron Falls—Nipigon river..... | 72,000 | 74,397 | 77,748 | 416,601,900 | 423,873,400 |
| Alexander—Nipigon river..... | 70,000 | 71,716 | 73,727 | 299,628,800 | 390,710,800 |
| NORTHERN ONTARIO PROPERTIES | | | | | |
| Abitibi district | | | | | |
| Abitibi Canyon—Abitibi river..... | 240,000 | 227,346 | 203,083 | 999,847,500 | 919,932,100 |
| Timiskaming district | | | | | |
| Matabichuan—Matabichuan river..... | 12,000 | 11,796 | 12,064 | 17,632,000 | 31,667,300 |
| Upper Notch—Montreal river..... | 11,300 | 10,724 | 11,662 | 26,716,430 | 54,525,000 |
| Fountain Falls—Montreal river..... | 2,700 | 2,681 | 2,681 | 7,196,308 | 13,767,030 |
| Hound Chute—Montreal river..... | 4,800 | 4,859 | 4,866 | 14,703,381 | 23,626,375 |
| Indian Chute—Montreal river..... | 3,800 | 3,887 | 3,887 | 10,829,020 | 18,206,006 |
| Lower Sturgeon—Mattagami river..... | 8,000 | 8,043 | 8,177 | 24,196,664 | 41,168,203 |
| Sandy Falls—Mattagami river..... | 4,300 | 4,290 | 4,290 | 11,821,774 | 18,631,544 |
| Wawaitin—Mattagami river..... | 12,200 | 12,064 | 12,466 | 20,545,075 | 46,830,935 |
| Sudbury district | | | | | |
| Coniston—Wanapitei river..... | 5,900 | 5,831 | 5,898 | 24,334,400 | 28,177,050 |
| McVittie—Wanapitei river..... | 3,100 | 3,150 | 3,445 | 17,858,400 | 18,286,040 |
| Stinson—Wanapitei river..... | 7,500 | 7,802 | 7,882 | 22,496,500 | 27,611,600 |
| Crystal Falls—Sturgeon river..... | 10,000 | 10,925 | 10,791 | 36,810,500 | 31,169,500 |
| Nipissing district | | | | | |
| Nipissing—South river..... | 2,100 | 2,151 | 2,232 | 6,963,520 | 6,852,840 |
| Bingham Chute—South river..... | 1,200 | 1,287 | 1,267 | 4,233,040 | 4,308,640 |
| Elliott Chute—South river..... | 1,700 | 1,890 | 1,903 | 4,118,000 | 4,466,400 |
| Patricia district | | | | | |
| Rat Rapids—Albany river..... | 1,800 | 2,064 | 2,038 | 9,973,760 | 11,145,340 |
| Ear Falls—English river..... | 17,000 | 13,941 | 15,013 | 58,021,120 | 68,024,080 |
| | 1,725,000 | * | * | 8,478,579,959 | 8,491,910,465 |

*Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column "Peak load" is not totalled.

AND PURCHASED—ALL SYSTEMS

POWER PURCHASED

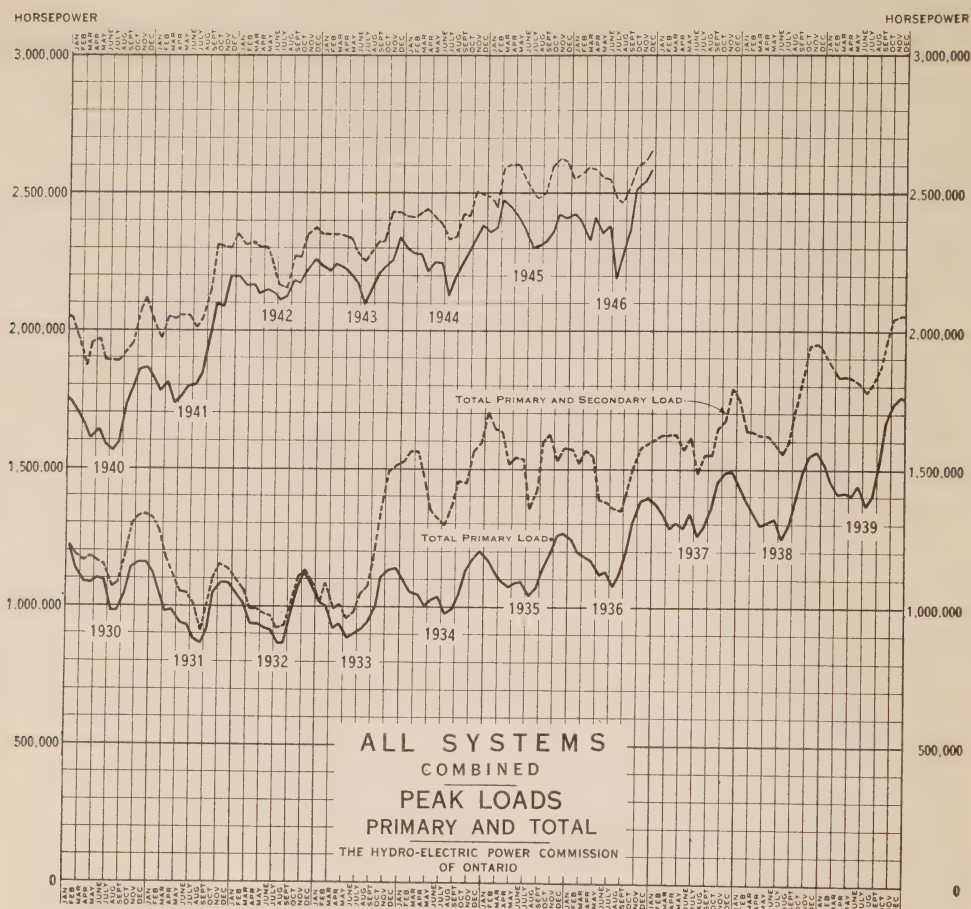
| Power sources | Contract amount horsepower Oct. 31, 1946 | Total purchased | |
|---------------------------------------------------|---------------------------------------------------|---------------------------|---------------------------|
| | | 1944-45 kilowatt-hours | 1945-46 kilowatt-hours |
| SOUTHERN ONTARIO SYSTEM | | | |
| Canadian Niagara Power Co..... | 20,000 | 91,597,300 | 91,597,300 |
| Department of Transport (Welland Ship Canal)..... | | 5,261,600 | 989,900 |
| Gatineau Power Co..... | 340,000 | 1,472,365,460 | 1,507,401,600 |
| Ottawa Valley Power Co..... | 108,000 | 327,486,250 | 382,040,850 |
| Beauharnois Light, Heat and Power Co..... | 300,000 | 1,300,670,000 | 1,341,560,000 |
| MacLaren-Quebec Power Co..... | 185,000 | 756,025,000 | 823,169,825 |
| M. F. Beach Estate..... | 500 | 2,979,600 | 3,034,000 |
| Rideau Power Co..... | 400 | 1,891,500 | 1,874,400 |
| Campbellford Water and Light Commission..... | 800 | 4,478,900 | 2,345,700 |
| Miscellaneous..... | | 3,388,658 | 3,493,400 |
| THUNDER BAY SYSTEM | | | |
| Kaministiquia Power Co..... | | 31,788,480 | 14,963,520 |
| Miscellaneous..... | | 237,900 | 0 |
| NORTHERN ONTARIO PROPERTIES | | | |
| Manitoulin Pulp Co..... | 800 | 1,876,800 | 2,547,200 |
| Abitibi Power and Paper Co..... | | 8,606,272 | 5,089,152 |
| Miscellaneous..... | | 993,500 | 0 |
| Total purchased..... | 955,500 | 4,009,647,220 | 4,180,106,847 |

| | |
|-------------------------------------------------------------|------------------------------|
| Power purchased, contract amount, 1946..... | 955,500 horsepower |
| Maximum normal plant capacity, 1946..... | 1,725,000 " |
| Total available capacity generated and purchased, 1946..... | 2,680,500 " |
| Total available capacity generated and purchased, 1945..... | 2,672,000 " |
| Difference (increase)..... | 8,500 " |
| Total energy purchased, 1946..... | 4,180,106,847 kilowatt-hours |
| Total energy generated, 1946..... | 8,491,910,465 " |
| Total energy generated and purchased, 1946..... | 12,672,017,312 " |
| Total energy generated and purchased, 1945..... | 12,488,227,179 " |
| Difference (increase)..... | 183,790,133 " |

CAUTION: The figures for "Maximum normal plant capacity" reflect the capacity of the various plants under the most favourable conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

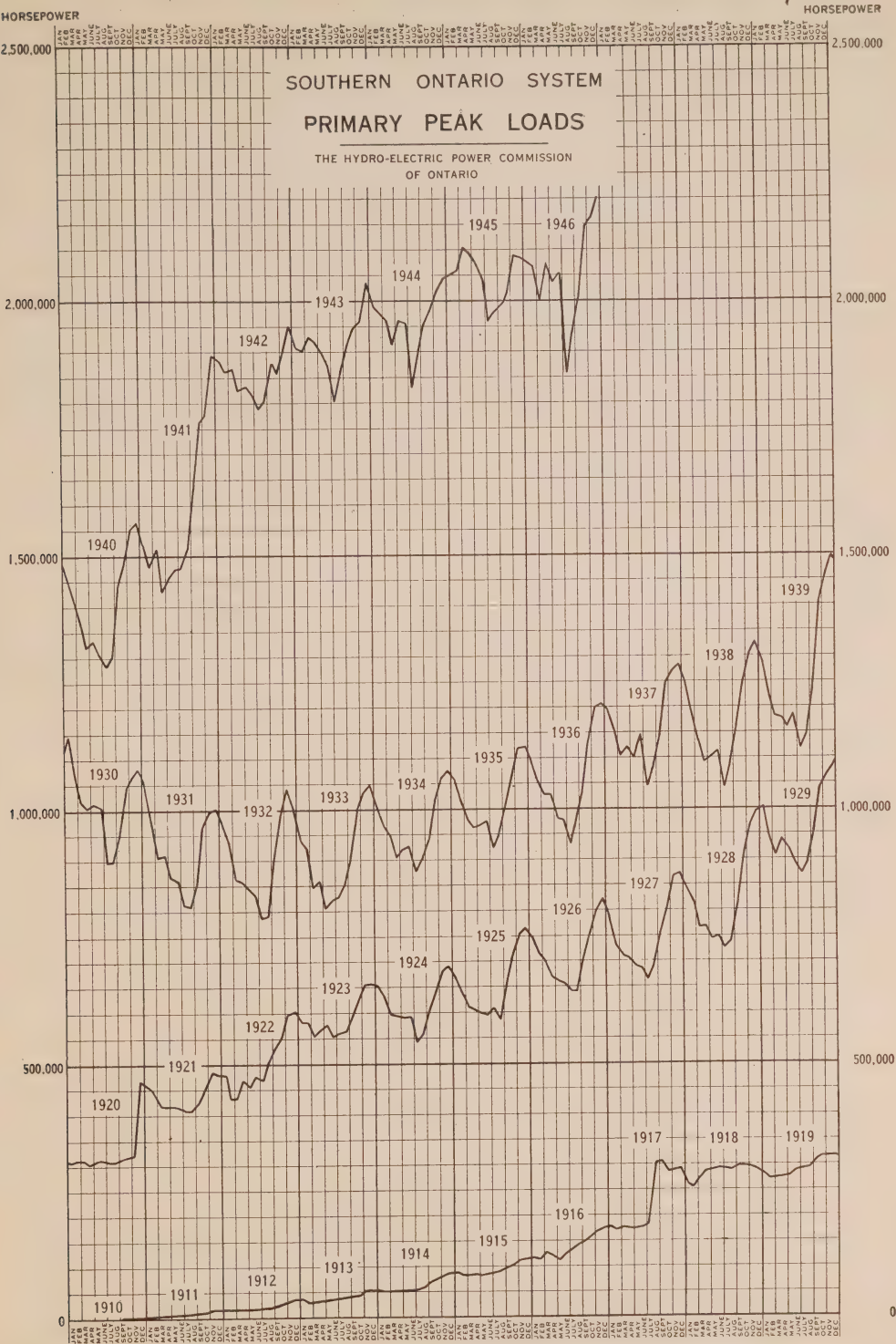
It is particularly important to bear in mind that the column headed "Maximum normal plant capacity" cannot be taken as an indication of the dependable capacity of the various plants; in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed "Maximum normal plant capacity" are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.



The total peak output on the Commission's combined systems was 2,625,000 horsepower. This exceeded the record output of the previous year by the small margin of 17,000 horsepower. The total energy output from all generated and purchased sources amounted to 12,672,017,312 kilowatt-hours, exceeding the previous year's output by 1.5 per cent.

The output for primary power purposes was 2,515,000 horsepower, exceeding all previous records for this class of power. Compared with the corresponding output in the previous year, when primary demands reached their highest levels for the war years, it shows an increase of 44,000 horsepower or 1.8 per cent. The energy output for primary power purposes dropped 1.4 per cent from 11,110,000,000 kilowatt-hours in 1945 to 10,951,000,000 kilowatt-hours in 1946. This drop in primary energy in contrast with the rise in peak demand reflects the effect of reduced demands during part of the year resulting from labour disputes.

The load figures quoted above represent loads actually carried. In interpreting them, it must be borne in mind that, owing to a deficiency in power resources, which became critical in October 1946, loads have been



severely curtailed in Southern Ontario. A comparison of potential power demands would show a somewhat greater increase than indicated by the above figures.

Details regarding the peak loads of the Southern Ontario and the Thunder Bay systems and of the several districts of the Northern Ontario Properties are given in the load curves in this section of the Report.

SOUTHERN ONTARIO SYSTEM

All power resources available to the Southern Ontario system were, for the most part, fully utilized throughout the year. On many days primary peak demands exceeded the system's resources and, as pointed out in the paragraphs above, the load figures which are quoted below for the Southern Ontario system, represent loads actually carried. Similar comments apply to their interpretation.

The maximum peak output on the system for both primary and secondary power was 2,193,000 horsepower, exceeding the corresponding output of the previous year by the small margin of 15,000 horsepower. The maximum output for primary power purposes was 2,147,000 horsepower as compared with 2,105,000 horsepower in the previous year, showing an increase of 2.0 per cent.

The total energy output of the Southern Ontario system for primary and secondary power rose 0.5 per cent as compared with the previous year. The output of energy classed as primary power and representing about 90 per cent of the total, dropped from 9,391,920,645 kilowatt-hours in the previous year to 9,213,016,177 kilowatt-hours, a decrease of 1.9 per cent.

On the rivers supplying the generating stations on the Georgian Bay and the Eastern Ontario divisions, good water conditions existed during the winter of 1945-46 but, following an early spring run-off, summer and fall water conditions were extremely low, with the result that on the whole the water supply for the year under review was the lowest encountered in several years. On the Ottawa river about average flow was maintained throughout the year. Only minor trouble from ice conditions was encountered at some of the smaller generating stations.

During the major portion of the year special power purchases were arranged with the Quebec Power Companies for such power as the companies had available in excess of their standing agreements with the Commission. Under a standing arrangement with the Department of Transport approximately 4,000 horsepower was purchased from the Department during part of the non-navigation period on the Welland Ship canal.

To ensure continuity of service on the Georgian Bay division, the arrangement of the previous year with the Defence Industries, Limited, for the use of the Nobel steam-turbo unit on an emergency standby basis was continued through the 1945-46 winter period. Upon approach of the high summer load period characteristic of this division due to summer resort load, and the prospects of low water supply to the hydraulic generating stations

within the Georgian Bay division, arrangements were made on May 17 to acquire the steam-turbo unit on a rental basis. Notwithstanding the reinforcement of the Georgian Bay division's resources by the Oshawa-Barrie tie line with the Eastern Ontario division early in July, the operation of the Nobel unit furnished valuable and essential assistance in the late summer and early fall months.

New lines and distributing stations were placed in service during the year to take care of increasing power demands in many areas. The most important of these was the general co-ordination and strengthening of transmission lines and facilities in the eastern portion of the system to improve service at Cornwall and to provide additional capacity for the Georgian Bay division. Also, to improve and control voltage in the western section of the Southern Ontario system, a 40,000-kva condenser and associated equipment, including two 20,000-kva transformer banks, were placed in service at the Essex transformer station early in the year. Several new distributing stations were placed in service involving an addition of nearly 20,000 kva in transformer capacity and the capacity of many distributing stations was increased. At three transformer stations, new capacity totalling 65,000 kva was also added.

SUMMATION OF PEAK LOADS IN HORSEPOWER AS SUPPLIED TO URBAN MUNICIPAL UTILITIES AND FOR RURAL HYDRO SERVICE, SHOWING TREND OF POWER DEMANDS 1945-1946

| System | Total of peak loads in horsepower | | Net increase in horsepower | Number of utilities with | | | Total |
|--------|-----------------------------------|-------------------|----------------------------|--------------------------|-----------|-----------|-------|
| | July to Dec. 1945 | July to Dec. 1946 | | Decreases | Increases | No change | |

URBAN MUNICIPAL UTILITIES

| | | | | | | | |
|----------------------------------|-----------|-----------|---------|----|-----|---|-----|
| Southern Ontario... | 1,378,796 | 1,513,238 | 134,442 | 13 | 293 | 1 | 307 |
| Thunder Bay..... | 47,251 | 48,946 | 1,695 | 1 | 5 | 0 | 6 |
| Northern Ontario Properties..... | 20,868 | 24,269 | 3,401 | 0 | 16 | 1 | 17 |

RURAL HYDRO SERVICE

| | | | | | | | |
|----------------------------------|---------|---------|--------|---|----|---|----|
| Southern Ontario.... | 180,929 | 220,387 | 39,458 | 1 | 83 | 0 | 84 |
| Thunder Bay..... | 1,048 | 1,355 | 307 | 0 | 1 | 0 | 1 |
| Northern Ontario Properties..... | 3,337 | 3,756 | 419 | 1 | 3 | 0 | 4 |
| Total, Rural Service. | 185,314 | 225,498 | 40,184 | 2 | 87 | 0 | 89 |

NOTE: The yearly peak demands of the individual municipal Hydro utilities do not all occur during the same month of the year nor, for any given municipality, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads. The loads given above for Rural Hydro Service are a summation of the loads in the various operational districts and are similarly obtained.

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|--------------------------------|--------------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Acton..... | 25 | 1,918.5 | 2,252.2 | | 333.7 |
| Agincourt..... | 25 | 308.4 | 345.3 | | 36.9 |
| Ailsa Craig..... | 25 | 179.1 | 213.8 | | 34.7 |
| Alexandria..... | 60 | 485.5 | 467.5 | 18.0 | |
| Alliston..... | 60 | 581.4 | 728.9 | | 147.5 |
| Almonte..... | 60 | 435.7 | 859.2 | | 423.5 |
| Alvinston..... | 25 | 177.9 | 198.0 | | 20.1 |
| Amherstburg..... | 25 | 1,330.6 | 1,631.9 | | 301.3 |
| Ancaster Twp.—Voted Area..... | 25 | 618.6 | 671.4 | | 52.8 |
| Apple Hill..... | 60 | 66.6 | 67.8 | | 1.2 |
| Arkona..... | 25 | 84.2 | 101.9 | | 17.7 |
| Arnprior..... | 60 | 1,546.0 | 1,867.6 | | 321.6 |
| Arthur..... | 60 | 231.9 | 280.4 | | 48.5 |
| Athens..... | 60 | 155.1 | 196.1 | | 41.0 |
| Aurora..... | 25 | 1,674.0 | 1,938.6 | | 264.6 |
| Aylmer..... | 25 | 1,249.7 | 1,389.7 | | 140.0 |
| Ayr..... | 25 | 315.5 | 373.6 | | 58.1 |
| Baden..... | 25 | 678.1 | 655.6 | 22.5 | |
| Bala..... | 60 | 516.1 | 536.2 | | 20.1 |
| Barrie..... | 60 | 5,333.8 | 6,092.5 | | 758.7 |
| Bath..... | 60 | 59.9 | 82.6 | | 22.7 |
| Beachville..... | 25 | 811.7 | 850.9 | | 39.2 |
| Beamsville..... | 25 | 685.8 | 740.6 | | 54.8 |
| Beaverton..... | 60 | 398.0 | 441.0 | | 43.0 |
| Beeton..... | 60 | 129.1 | 165.7 | | 36.6 |
| Belle River..... | 25 | 255.9 | 341.9 | | 86.0 |
| Belleville..... | 60 | 9,120.0 | 9,671.6 | | 551.6 |
| Blenheim..... | 25 | 851.5 | 1,139.4 | | 287.9 |
| Bloomfield..... | 60 | 183.9 | 202.6 | | 18.7 |
| Blyth..... | 25 | 196.4 | 196.1 | 0.3 | |
| Bolton..... | 25 | 279.6 | 362.9 | | 83.3 |
| Bothwell..... | 25 | 200.5 | 237.3 | | 36.8 |
| Bowmanville..... | 60 | 3,579.7 | 3,948.5 | | 368.8 |
| Bradford..... | 60 | 335.5 | 514.2 | | 178.7 |
| Braeside..... | 60 | 331.1 | 274.8 | 56.3 | |
| Brampton..... | 25 | 3,799.6 | 4,172.2 | | 372.6 |
| Brantford..... | 25 | 23,912.4 | 26,510.0 | | 2,597.6 |
| Brantford Twp.—Voted Area..... | 25 | 2,059.2 | 2,590.9 | | 531.7 |
| Brechin..... | 60 | 67.8 | 88.5 | | 20.7 |
| Bridgeport..... | 25 | 300.6 | 344.9 | | 44.3 |
| Brigden..... | 25 | 116.2 | 177.5 | | 61.3 |
| Brighton..... | 60 | 651.7 | 802.1 | | 150.4 |
| Brockville..... | 60 | 6,021.4 | 9,389.5 | | 3,368.1 |
| Bronte..... | 66 $\frac{2}{3}$ | 249.3 | 312.3 | | 63.0 |
| Brussels..... | 25 | 248.5 | 336.7 | | 88.2 |
| Burford..... | 25 | 321.6 | 392.8 | | 71.2 |
| Burgessville..... | 25 | 61.8 | 125.6 | | 63.8 |
| Burlington..... | 66 $\frac{2}{3}$ | 2,281.6 | 2,393.0 | | 111.4 |
| Burlington Beach..... | 25 & 66 $\frac{2}{3}$ | 665.9 | 759.6 | | 93.7 |
| Caledonia..... | 25 | 534.8 | 613.3 | | 78.5 |

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946—Continued

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|--------------------------------|---------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Campbellville..... | 25 | 59.6 | 81.0 | ..... | 21.4 |
| Cannington..... | 60 | 298.4 | 378.1 | ..... | 79.7 |
| Cardinal..... | 60 | 517.9 | 537.6 | ..... | 19.7 |
| Carleton Place..... | 60 | 2,236.8 | 2,422.9 | ..... | 186.1 |
| Cayuga..... | 25 | 201.7 | 283.9 | ..... | 82.2 |
| Chatham..... | 25 | 9,317.9 | 10,058.7 | ..... | 740.8 |
| Chatsworth..... | 60 | 158.3 | 181.3 | ..... | 23.0 |
| Chesley..... | 60 | 682.2 | 846.2 | ..... | 164.0 |
| Chesterville..... | 60 | 385.7 | 463.1 | ..... | 77.4 |
| Chippawa..... | 25 | 472.1 | 505.4 | ..... | 33.3 |
| Clifford..... | 25 | 142.6 | 160.2 | ..... | 17.6 |
| Clinton..... | 25 | 856.2 | 962.2 | ..... | 106.0 |
| Cobden..... | 60 | 165.7 | 210.0 | ..... | 44.3 |
| Cobourg..... | 60 | 2,618.4 | 2,954.7 | ..... | 336.3 |
| Colborne..... | 60 | 346.2 | 380.8 | ..... | 34.6 |
| Coldwater..... | 60 | 225.1 | 231.4 | ..... | 6.3 |
| Collingwood..... | 60 | 2,965.8 | 3,272.1 | ..... | 306.3 |
| Comber..... | 25 | 208.6 | 238.6 | ..... | 30.0 |
| Cookstown..... | 60 | 124.1 | 153.1 | ..... | 29.0 |
| Cottam..... | 25 | 134.0 | 137.3 | ..... | 3.3 |
| Courtright..... | 25 | 69.8 | 81.8 | ..... | 12.0 |
| Creemore..... | 60 | 216.5 | 256.6 | ..... | 40.1 |
| Dashwood..... | 25 | 152.4 | 157.8 | ..... | 5.4 |
| Delaware..... | 25 | 101.7 | 107.6 | ..... | 5.9 |
| Delhi..... | 25 | 988.2 | 1,041.8 | ..... | 53.6 |
| Deseronto..... | 60 | 332.4 | 380.5 | ..... | 48.1 |
| Dorchester..... | 25 | 166.9 | 176.3 | ..... | 9.4 |
| Drayton..... | 25 | 186.2 | 189.6 | ..... | 3.4 |
| Dresden..... | 25 | 648.5 | 666.2 | ..... | 17.7 |
| Drumbo..... | 25 | 133.2 | 155.5 | ..... | 22.3 |
| Dublin..... | 25 | 66.5 | 72.8 | ..... | 6.3 |
| Dundalk..... | 60 | 304.1 | 340.7 | ..... | 36.6 |
| Dundas..... | 25 | 3,579.7 | 3,774.7 | ..... | 195.0 |
| Dunnville..... | 25 | 1,889.1 | 2,089.0 | ..... | 199.9 |
| Durham..... | 60 | 511.9 | 601.2 | ..... | 89.3 |
| Dutton..... | 25 | 327.2 | 367.1 | ..... | 39.9 |
| East York Twp.—Voted Area..... | 25 | 13,261.5 | 15,471.6 | ..... | 2,210.1 |
| Elmira..... | 25 | 1,598.2 | 1,922.4 | ..... | 324.2 |
| Elmvale..... | 60 | 234.6 | 306.2 | ..... | 71.6 |
| Elmwood..... | 60 | 93.3 | 134.5 | ..... | 41.2 |
| Elora..... | 25 | 554.7 | 622.5 | ..... | 67.8 |
| Embro..... | 25 | 185.5 | 228.3 | ..... | 42.8 |
| Erieau..... | 25 | 288.7 | 335.4 | ..... | 46.7 |
| Erie Beach..... | 25 | 51.5 | 62.7 | ..... | 11.2 |
| Erin..... | 60 | 153.4 | 175.0 | ..... | 21.6 |
| Essex..... | 25 | 711.8 | 888.8 | ..... | 177.0 |
| Etobicoke Twp.—Voted Area..... | 25 | 12,333.9 | 15,860.9 | ..... | 3,527.0 |
| Exeter..... | 25 | 987.7 | 1,078.9 | ..... | 91.2 |
| Fergus..... | 25 | 1,609.2 | 1,928.8 | ..... | 319.6 |
| Finch..... | 60 | 139.7 | 159.3 | ..... | 19.6 |

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946—Continued

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|-------------------|---------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Flesherton..... | 60 | 103.8 | 164.0 | ..... | 60.2 |
| Fonthill..... | 25 | 277.2 | 337.9 | ..... | 60.7 |
| Forest..... | 25 | 746.6 | 785.2 | ..... | 38.6 |
| Forest Hill..... | 25 | 10,161.5 | 10,880.7 | ..... | 719.2 |
| Frankford..... | 60 | 210.2 | 270.0 | ..... | 59.8 |
| Galt..... | 25 | 12,998.4 | 14,469.5 | ..... | 1,471.1 |
| Georgetown..... | 25 | 2,426.3 | 2,796.9 | ..... | 370.6 |
| Glencoe..... | 25 | 260.3 | 294.6 | ..... | 34.3 |
| Goderich..... | 25 | 1,983.9 | 2,178.7 | ..... | 194.8 |
| Grand Valley..... | 60 | 218.0 | 255.8 | ..... | 37.8 |
| Granton..... | 25 | 74.7 | 97.4 | ..... | 22.7 |
| Gravenhurst..... | 60 | 1,626.6 | 1,836.5 | ..... | 209.9 |
| Grimsby..... | 25 | 1,218.5 | 1,254.2 | ..... | 35.7 |
| Guelph..... | 25 | 13,834.1 | 15,626.0 | ..... | 1,791.9 |
| Hagersville..... | 25 | 1,326.3 | 1,425.2 | ..... | 98.9 |
| Hamilton..... | 25& 66% | 173,975.5 | 181,227.8 | ..... | 7,252.3 |
| Hanover..... | 60 | 1,625.0 | 1,858.4 | ..... | 233.4 |
| Harriston..... | 25 | 563.5 | 675.8 | ..... | 112.3 |
| Harrow..... | 25 | 829.7 | 840.5 | ..... | 10.8 |
| Hastings..... | 60 | 186.5 | 244.9 | ..... | 58.4 |
| Havelock..... | 60 | 251.1 | 300.2 | ..... | 49.1 |
| Hensall..... | 25 | 303.7 | 346.0 | ..... | 42.3 |
| Hepworth..... | 60 | 50.7 | 44.6 | 6.1 | ..... |
| Hespeler..... | 25 | 3,233.6 | 3,550.4 | ..... | 316.8 |
| Highgate..... | 25 | 139.9 | 147.1 | ..... | 7.2 |
| Holstein..... | 60 | 23.3 | 26.2 | ..... | 2.9 |
| Humberstone..... | 25 | 754.7 | 889.5 | ..... | 134.8 |
| Huntsville..... | 60 | 1,428.1 | 1,715.0 | ..... | 286.9 |
| Ingersoll..... | 25 | 3,605.8 | 3,890.0 | ..... | 284.2 |
| Iroquois..... | 60 | 368.8 | 413.7 | ..... | 44.9 |
| Jarvis..... | 25 | 225.7 | 239.7 | ..... | 14.0 |
| Kemptville..... | 60 | 466.0 | 588.6 | ..... | 122.6 |
| Kincardine..... | 60 | 932.6 | 1,081.6 | ..... | 149.0 |
| Kingston..... | 60 | 18,523.3 | 20,575.8 | ..... | 2,052.5 |
| Kingsville..... | 25 | 952.3 | 1,011.9 | ..... | 59.6 |
| Kirkfield..... | 60 | 27.0 | 27.0 | ..... | ..... |
| Kitchener..... | 25 | 31,292.6 | 36,415.6 | ..... | 5,123.0 |
| Lakefield..... | 60 | 600.5 | 635.1 | ..... | 34.6 |
| Lambeth..... | 25 | 206.2 | 249.3 | ..... | 43.1 |
| Lanark..... | 60 | 136.7 | 158.2 | ..... | 21.5 |
| Lancaster..... | 60 | 66.4 | 87.7 | ..... | 21.3 |
| LaSalle..... | 25 | 386.6 | 445.3 | ..... | 58.7 |
| Leamington..... | 25 | 2,664.6 | 2,984.3 | ..... | 319.7 |
| Lindsay..... | 60 | 4,044.1 | 4,479.4 | ..... | 435.3 |
| Listowel..... | 25 | 1,685.0 | 1,840.5 | ..... | 155.5 |

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946—Continued

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|---------------------------------|--------------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| London..... | 25 | 49,128.5 | 55,301.6 | ..... | 6,173.1 |
| London Twp.—Voted Area..... | 25 | 823.7 | 879.2 | ..... | 55.5 |
| Long Branch..... | 25 | 2,024.8 | 2,370.2 | ..... | 345.4 |
| Lucan..... | 25 | 266.5 | 341.1 | ..... | 74.6 |
| Lucknow..... | 60 | 450.7 | 575.6 | ..... | 124.9 |
| Lynden..... | 25 | 145.8 | 154.7 | ..... | 8.9 |
| MacTier..... | 60 | 140.7 | 189.5 | ..... | 48.8 |
| Madoc..... | 60 | 264.4 | 386.4 | ..... | 122.0 |
| Markdale..... | 60 | 241.4 | 292.8 | ..... | 51.4 |
| Markham..... | 25 | 483.6 | 532.2 | ..... | 48.6 |
| Marmora..... | 60 | 189.1 | 216.9 | ..... | 27.8 |
| Martintown..... | 60 | 53.7 | 83.8 | ..... | 30.1 |
| Maxville..... | 60 | 155.4 | 171.4 | ..... | 16.0 |
| Meaford..... | 60 | 949.4 | 1,148.6 | ..... | 199.2 |
| Merlin..... | 25 | 171.4 | 173.4 | ..... | 2.0 |
| Merritton..... | 25 | 11,266.6 | 10,592.7 | 673.9 | ..... |
| Midland..... | 60 | 5,179.5 | 4,896.7 | 282.8 | ..... |
| Mildmay..... | 60 | 209.6 | 244.7 | ..... | 35.1 |
| Millbrook..... | 60 | 152.3 | 161.9 | ..... | 9.6 |
| Milton..... | 25 | 1,669.6 | 1,901.6 | ..... | 232.0 |
| Milverton..... | 25 | 557.9 | 562.3 | ..... | 4.4 |
| Mimico..... | 25 | 3,968.5 | 4,520.1 | ..... | 551.6 |
| Mitchell..... | 25 | 904.5 | 976.9 | ..... | 72.4 |
| Moorefield..... | 25 | 121.1 | 124.0 | ..... | 2.9 |
| Morrisburg..... | 60 | 419.6 | 550.9 | ..... | 131.3 |
| Mount Brydges..... | 25 | 149.7 | 158.4 | ..... | 8.7 |
| Mount Forest..... | 60 | 794.3 | 913.6 | ..... | 119.3 |
| Napanee..... | 60 | 1,730.0 | 2,007.0 | ..... | 277.0 |
| Neustadt..... | 60 | 48.1 | 48.6 | ..... | 0.5 |
| Newburgh..... | 60 | 63.9 | 98.4 | ..... | 34.5 |
| Newbury..... | 25 | 47.8 | 60.6 | ..... | 12.8 |
| Newcastle..... | 60 | 291.8 | 331.2 | ..... | 39.4 |
| New Hamburg..... | 25 | 775.6 | 886.7 | ..... | 111.1 |
| Newmarket..... | 25 | 2,363.4 | 2,575.4 | ..... | 212.0 |
| New Toronto..... | 25 | 12,130.6 | 13,189.1 | ..... | 1,058.5 |
| Niagara Falls..... | 25 | 13,589.3 | 14,401.9 | ..... | 812.6 |
| Niagara-on-the-Lake..... | 25 | 1,182.3 | 1,224.0 | ..... | 41.7 |
| North York Twp.—Voted Area..... | 25 | 13,272.4 | 17,365.2 | ..... | 4,092.8 |
| Norwich..... | 25 | 565.7 | 650.9 | ..... | 85.2 |
| Norwood..... | 60 | 223.0 | 306.9 | ..... | 83.9 |
| Oakville..... | 25 & 66 $\frac{2}{3}$ | 1,938.3 | 2,316.1 | ..... | 377.8 |
| Oil Springs..... | 25 | 215.8 | 244.6 | ..... | 28.8 |
| Omeme..... | 60 | 257.5 | 336.2 | ..... | 78.7 |
| Orangeville..... | 60 | 1,025.1 | 1,304.0 | ..... | 278.9 |
| Orono..... | 60 | 150.0 | 170.2 | ..... | 20.2 |
| Oshawa..... | 60 | 19,805.6 | 22,902.1 | ..... | 3,096.5 |
| Ottawa..... | 60 | 42,978.2 | 45,816.6 | ..... | 2,838.4 |
| Oterville..... | 25 | 149.7 | 170.1 | ..... | 20.4 |
| Owen Sound..... | 60 | 7,625.3 | 9,179.0 | ..... | 1,553.7 |
| Paisley..... | 60 | 194.2 | 227.9 | ..... | 33.7 |

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946—Continued

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|-----------------------|--------------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Palmerston | 25 | 729.3 | 755.6 | | 26.3 |
| Paris | 25 | 2,133.7 | 2,658.2 | | 524.5 |
| Parkhill | 25 | 334.8 | 373.7 | | 38.9 |
| Penetanguishene | 60 | 1,266.1 | 1,422.9 | | 156.8 |
| Perth | 60 | 2,075.1 | 2,402.1 | | 327.0 |
| Peterborough | 60 | 18,091.1 | 23,821.7 | | 5,730.6 |
| Petrolia | 25 | 1,299.0 | 1,268.2 | 30.8 | |
| Picton | 60 | 1,734.7 | 2,088.5 | | 353.8 |
| Plattsville | 25 | 168.2 | 229.9 | | 61.7 |
| Point Edward | 25 | 1,725.2 | 1,955.8 | | 230.6 |
| Port Carling | 60 | 385.1 | 466.2 | | 81.1 |
| Port Colborne | 25 | 2,698.3 | 2,900.1 | | 201.8 |
| Port Credit | 25 | 1,369.7 | 1,487.4 | | 117.7 |
| Port Dalhousie | 25 | 1,267.8 | 1,362.9 | | 95.1 |
| Port Dover | 25 | 709.8 | 890.1 | | 180.3 |
| Port Elgin | 60 | 794.8 | 881.0 | | 86.2 |
| Port Hope | 60 | 3,167.8 | 3,321.2 | | 153.4 |
| Port McNicoll | 60 | 135.6 | 163.4 | | 27.8 |
| Port Perry | 60 | 403.2 | 482.4 | | 79.2 |
| Port Rowan | 25 | 152.5 | 174.2 | | 21.7 |
| Port Stanley | 25 | 1,406.8 | 1,583.8 | | 177.0 |
| Prescott | 60 | 1,744.1 | 1,724.5 | 19.6 | |
| Preston | 25 | 4,646.1 | 5,248.8 | | 602.7 |
| Priceville | 60 | 10.0 | 18.0 | | 8.0 |
| Princeton | 25 | 165.5 | 215.5 | | 50.0 |
| Queenston | 25 | 169.0 | 190.9 | | 21.9 |
| Renfrew | 60 | 309.1 | 1,386.1 | | 1,077.0 |
| Richmond | 60 | 88.5 | 123.7 | | 35.2 |
| Richmond Hill | 25 | 726.5 | 899.5 | | 173.0 |
| Ridgetown | 25 | 815.8 | 921.2 | | 105.4 |
| Ripley | 60 | 174.1 | 228.3 | | 54.2 |
| Riverside | 25 | 1,922.9 | 2,185.3 | | 262.4 |
| Rockwood | 25 | 193.3 | 213.9 | | 20.6 |
| Rodney | 25 | 209.8 | 230.7 | | 20.9 |
| Rosseau | 60 | 52.8 | 70.3 | | 17.5 |
| Russell | 60 | 112.1 | 141.4 | | 29.3 |
| St. Catharines | 25 & 66 $\frac{2}{3}$ | 28,329.4 | 33,395.0 | | 5,065.6 |
| St. Clair Beach | 25 | 145.5 | 144.4 | 1.1 | |
| St. George | 25 | 244.2 | 263.5 | | 19.3 |
| St. Jacobs | 25 | 408.2 | 420.9 | | 12.7 |
| St. Marys | 25 | 1,880.3 | 2,358.9 | | 478.6 |
| St. Thomas | 25 | 9,454.4 | 10,542.9 | | 1,088.5 |
| Sarnia | 25 | 8,809.2 | 9,519.4 | | 710.2 |
| Scarborough Twp. | 25 | 7,081.9 | 8,345.4 | | 1,263.5 |
| Seaforth | 25 | 1,268.1 | 1,411.8 | | 143.7 |
| Shelburne | 60 | 345.2 | 469.1 | | 123.9 |
| Simcoe | 25 | 3,327.1 | 3,735.1 | | 408.0 |
| Smiths Falls | 60 | 3,491.8 | 4,176.2 | | 684.4 |
| Smithville | 25 | 231.0 | 421.2 | | 190.2 |
| Southampton | 60 | 779.9 | 861.5 | | 81.6 |

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946—Continued

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|-------------------------------|--------------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Springfield..... | 25 | 107.5 | 118.6 | ..... | 11.1 |
| Stamford Twp.—Voted Area..... | 25 | 4,138.7 | 4,749.3 | ..... | 610.6 |
| Stayner..... | 60 | 379.8 | 443.3 | ..... | 63.5 |
| Stirling..... | 60 | 450.3 | 522.6 | ..... | 72.3 |
| Stoney Creek..... | 25 | 372.2 | 483.9 | ..... | 111.7 |
| Stouffville..... | 25 | 464.1 | 644.5 | ..... | 180.4 |
| Stratford..... | 25 | 8,703.0 | 9,965.2 | ..... | 1,262.2 |
| Strathroy..... | 25 | 1,810.7 | 1,971.6 | ..... | 160.9 |
| Streetsville..... | 25 | 284.8 | 314.6 | ..... | 29.8 |
| Sunderland..... | 60 | 117.1 | 146.1 | ..... | 29.0 |
| Sutton..... | 25 | 628.7 | 795.9 | ..... | 167.2 |
| Swansea..... | 25 | 4,193.7 | 4,273.4 | ..... | 79.7 |
| Tara..... | 60 | 183.9 | 211.9 | ..... | 28.0 |
| Tavistock..... | 25 | 788.7 | 860.4 | ..... | 71.7 |
| Tecumseh..... | 25 | 561.9 | 703.0 | ..... | 141.1 |
| Teeswater..... | 60 | 237.9 | 289.6 | ..... | 51.7 |
| Thamesford..... | 25 | 333.5 | 367.0 | ..... | 33.5 |
| Thamesville..... | 25 | 315.9 | 359.0 | ..... | 43.1 |
| Thedford..... | 25 | 160.9 | 196.5 | ..... | 35.6 |
| Thornbury..... | 60 | 115.3 | 241.3 | ..... | 126.0 |
| Thorndale..... | 25 | 117.6 | 153.0 | ..... | 35.4 |
| Thornton..... | 60 | 53.4 | 64.4 | ..... | 11.0 |
| Thorold..... | 25 | 3,858.2 | 4,120.6 | ..... | 262.4 |
| Tilbury..... | 25 | 1,483.8 | 1,313.7 | 170.1 | ..... |
| Tillsonburg..... | 25 | 2,058.9 | 2,351.9 | ..... | 293.0 |
| Toronto..... | 25 | 442,134.0 | 465,521.4 | ..... | 23,387.4 |
| Toronto Twp.—Voted Area..... | 25 | 4,626.5 | 6,033.0 | ..... | 1,406.5 |
| Tottenham..... | 60 | 174.1 | 174.8 | ..... | 0.7 |
| Trafalgar Twp. V.A..... | 25 & 66 $\frac{2}{3}$ | 867.7 | 1,024.3 | ..... | 156.6 |
| Trenton..... | 60 | 6,104.6 | 6,926.3 | ..... | 821.7 |
| Tweed..... | 60 | 418.5 | 455.4 | ..... | 36.9 |
| Uxbridge..... | 60 | 491.7 | 576.3 | ..... | 84.6 |
| Victoria Harbour..... | 60 | 128.4 | 126.7 | 1.7 | ..... |
| Walkerton..... | 60 | 1,246.9 | 1,412.7 | ..... | 165.8 |
| Wallaceburg..... | 25 | 5,501.3 | 5,954.1 | ..... | 452.8 |
| Wardsville..... | 25 | 68.9 | 89.7 | ..... | 20.8 |
| Warkworth..... | 60 | 120.5 | 118.1 | 2.4 | ..... |
| Waterdown..... | 25 | 394.5 | 419.3 | ..... | 24.8 |
| Waterford..... | 25 | 600.3 | 663.5 | ..... | 63.2 |
| Waterloo..... | 25 | 6,724.5 | 8,567.0 | ..... | 1,842.5 |
| Watford..... | 25 | 459.5 | 525.5 | ..... | 66.0 |
| Waubashene..... | 60 | 188.1 | 272.1 | ..... | 84.0 |
| Welland..... | 25 | 12,393.3 | 13,445.7 | ..... | 1,052.4 |
| Wellesley..... | 25 | 162.2 | 206.6 | ..... | 44.4 |
| Wellington..... | 60 | 442.7 | 524.3 | ..... | 81.6 |
| West Lorne..... | 25 | 322.6 | 581.0 | ..... | 258.4 |
| Weston..... | 25 | 5,782.8 | 7,062.3 | ..... | 1,279.5 |
| Westport..... | 60 | 147.0 | 174.0 | ..... | 27.0 |
| Wheatley..... | 25 | 251.3 | 355.4 | ..... | 104.1 |
| Whitby..... | 60 | 1,922.8 | 2,096.8 | ..... | 174.0 |

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1945-1946—Concluded

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|--------------------|---------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Warton..... | 60 | 508.4 | 602.6 | ..... | 94.2 |
| Williamsburg..... | 60 | 133.4 | 168.6 | ..... | 35.2 |
| Winchester..... | 60 | 485.2 | 620.2 | ..... | 135.0 |
| Windermere..... | 60 | 121.8 | 134.0 | ..... | 12.2 |
| Windsor..... | 25 | 55,807.5 | 61,039.3 | ..... | 5,231.8 |
| Wingham..... | 60 | 910.3 | 1,206.8 | ..... | 296.5 |
| Woodbridge..... | 25 | 843.2 | 994.5 | ..... | 151.3 |
| Woodstock..... | 25 | 9,964.8 | 10,218.1 | ..... | 253.3 |
| Woodville..... | 60 | 116.0 | 126.2 | ..... | 10.2 |
| Wyoming..... | 25 | 141.4 | 181.7 | ..... | 40.3 |
| York Township..... | 25 | 27,703.7 | 31,191.7 | ..... | 3,488.0 |
| Zurich..... | 25 | 165.7 | 197.4 | ..... | 31.7 |

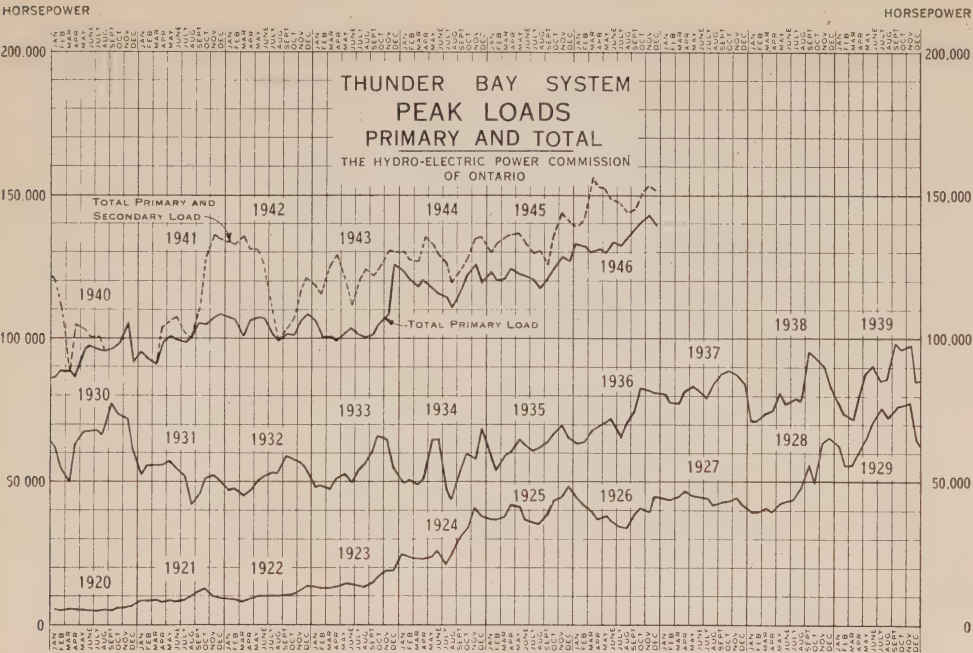
SOUTHERN ONTARIO SYSTEM—LOADS OF NEW MUNICIPALITIES

| Municipality | Frequency cycles | Date connected | Load in horsepower | | Change in load | |
|------------------|---------------------|-------------------|-----------------------|-----------------------|----------------|----------|
| | | | Initial | July to Dec., 1946 | Decrease | Increase |
| Bobcaygeon..... | 60 | July 1, 1946 | 90.4 | 90.4 | ..... | ..... |
| Parry Sound..... | 60 | Aug. 1, 1946 | 517.6 | 1,157.8 | ..... | 640.2 |

THUNDER BAY SYSTEM

The Alexander and the Cameron Falls generating stations on the Nipigon river were operated in parallel with the generating station of the Kaministiquia Power Co., a subsidiary of the Abitibi Power and Paper Co., throughout the year. During the year these resources supplied a maximum of 156,568 horsepower to the Thunder Bay system, and a total of 829,547,720 kilowatt-hours of which 14,963,520 kilowatt-hours were delivered from the Kaministiquia Power Company station.

The maximum primary peak load on the Thunder Bay system, which includes power delivery to the Rainy River district of the Northern Ontario Properties, was 141,421 horsepower as compared with 126,206 horsepower in the previous year, an increase of 12.1 per cent. The year's primary energy requirements totalled 709,424,420 kilowatt-hours, exceeding that of the previous year by 11.5 per cent. Surplus energy to the amount of 120,123,300 kilowatt-hours was supplied for electric boiler operation at the paper companies in Port Arthur.

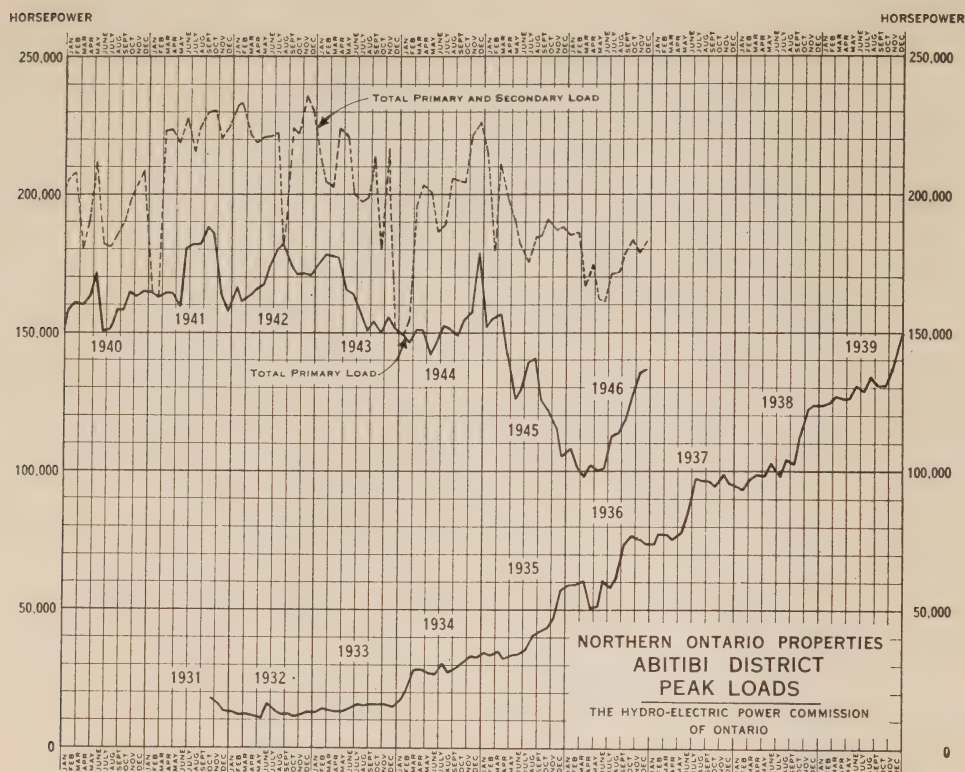


THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1945-1946

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|------------------------------|---------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| Atikokan Townsite..... | 60 | 133.2 | 223.9 | ..... | 90.7 |
| Beardmore Townsite..... | 60 | 143.2 | 204.1 | ..... | 60.9 |
| Fort William..... | 60 | 19,623.3 | 21,085.8 | ..... | 1,462.5 |
| Geraldton Townsite..... | 60 | 676.8 | 859.5 | ..... | 182.7 |
| Nipigon Twp.—Voted Area..... | 60 | 330.9 | 398.6 | ..... | 67.7 |
| Port Arthur..... | 60 | 26,343.9 | 26,173.7 | 170.2 | ..... |

NORTHERN ONTARIO PROPERTIES

The Northern Ontario Properties, comprising the operating districts of Abitibi, Timiskaming, Sudbury, Nipissing, Manitoulin, Patricia and Rainy River, are served by the Commission on behalf of the Province of Ontario. The majority of the power distributed in these areas is used in the mining and refining of gold and nickel. During the year initial service, or a resumption of service suspended for the war, was made to sixteen properties, fourteen of these being mines. While the average of primary demands during the year in Northern Ontario was below that of the previous year, the current year's trend in primary demands was upwards, rising from a total of 212,700 horsepower in October 1945 to 226,700 horsepower in October, 1946, an increase of 6.6 per cent.



Abitibi District

The primary peak load of the Abitibi district receded sharply from the October 1945 demand to a minimum in early summer from which point all losses sustained earlier in the year were more than recovered by the end of October 1946. Comparing the primary loads of 122,700 horsepower at end of October 1945 and 128,000 horsepower at end of October 1946, there was an increase of 4.3 per cent, all of which resulted from greater activity in the mining of gold. The recession in the summer was due to the reduced demands of the International Nickel Company at their Copper Cliff properties.

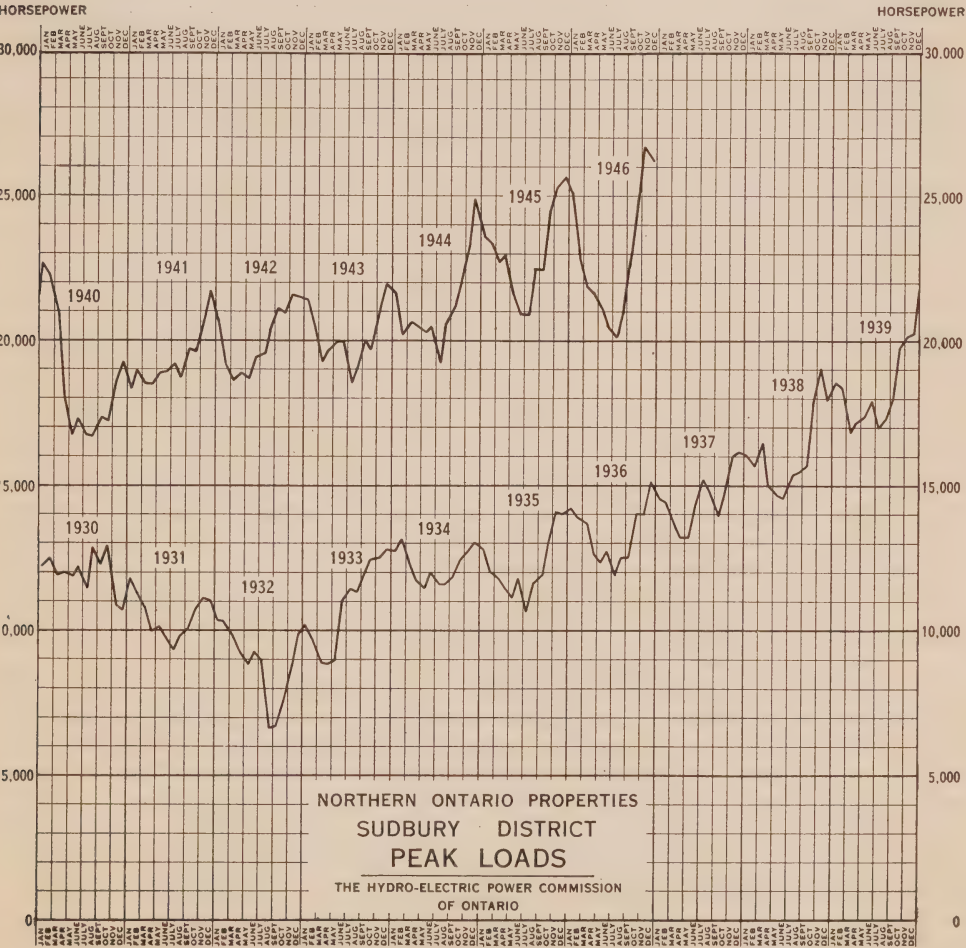
Water conditions during the 1945-46 winter period were favourable and were followed by an early spring break-up about one month ahead of usual time. However, the late summer and fall seasons were exceptionally dry and the storage reservoirs were much below normal level on entering the 1945-46 winter period.

Production at the Canyon plant during the year totalled 919,932,100 kilowatt-hours, of which 585,129,650 kilowatt-hours were for primary load purposes, 327,759,610 kilowatt-hours for electric generation of steam at the paper mills of the Abitibi Power and Paper Company, and the balance of 7,042,840 kilowatt-hours was transferred to the Timiskaming district.

Timiskaming District

The total peak load of the Timiskaming district, all of which was for primary distribution, was 52,681 horsepower. Energy consumption during the year totalled 255,465,233 kilowatt-hours, of which 248,422,393 kilowatt-hours were produced from the generating stations within the district, the balance being supplied from the Abitibi district. Since the Commission acquired the properties of the Northern Ontario Power Company, the load of which has been incorporated in the Commission's statistics from March 1945, a steady growth has taken place. The October 1946 peak load exceeded that of October 1945 by 8.0 per cent.

A large amount of work on the rehabilitation of generating stations and transmission lines was carried out in this district. Reduced output from the generating stations was made up by transfer from the Abitibi district. During a period of low water near the end of the year, transfer from the Abitibi district was increased in order to conserve water storage in the Timiskaming district for the coming winter period.



Sudbury District

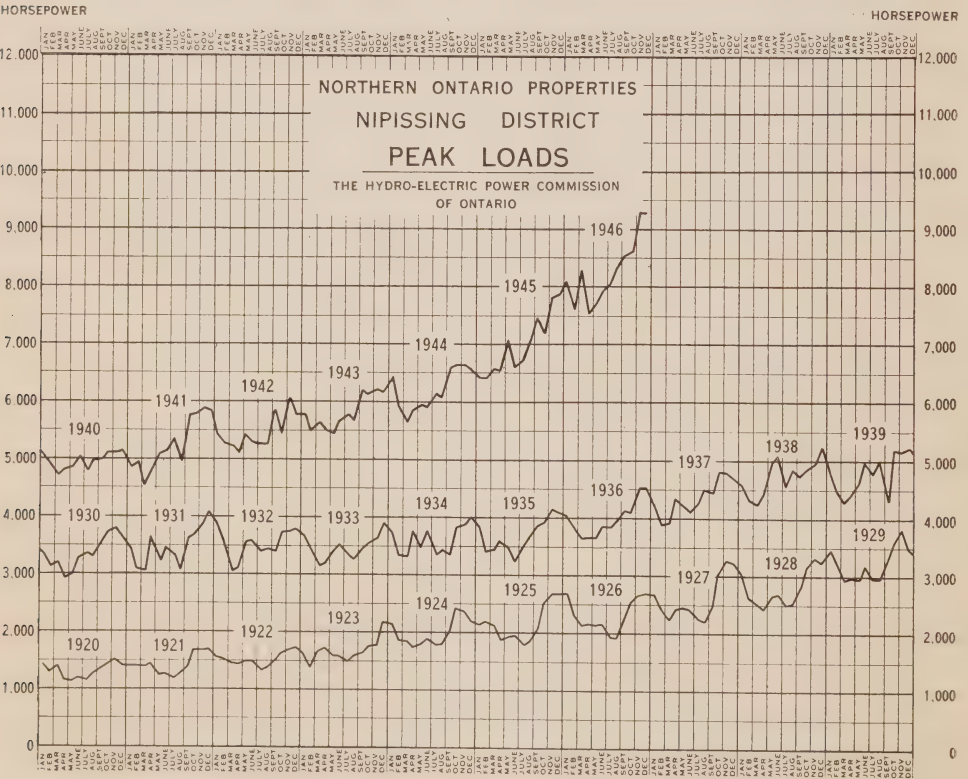
The total load of the Sudbury district rose from 24,598 horsepower in October 1945 to 25,074 horsepower in October 1946, an increase of 1.9 per cent. The total energy consumption for the year was 4.3 per cent smaller. All power in this district was for primary distribution.

Water conditions in the Sudbury district from the commencement of the year to the late summer of 1946 were favourable. The remainder of the year was extremely dry and water storages as of October 31, 1946 were much below their usual levels for this period of the year.

Except during the spring and early summer, the river flow and water storage available were insufficient to generate the load requirements of this district plus the shortages in the Nipissing district which is operated in parallel with the Sudbury district. Consequently, a considerable quantity of power and energy was purchased from the Sturgeon Falls plant of the Abitibi Power and Paper Company. During the year, 5,089,152 kilowatt-hours were purchased.

Nipissing District

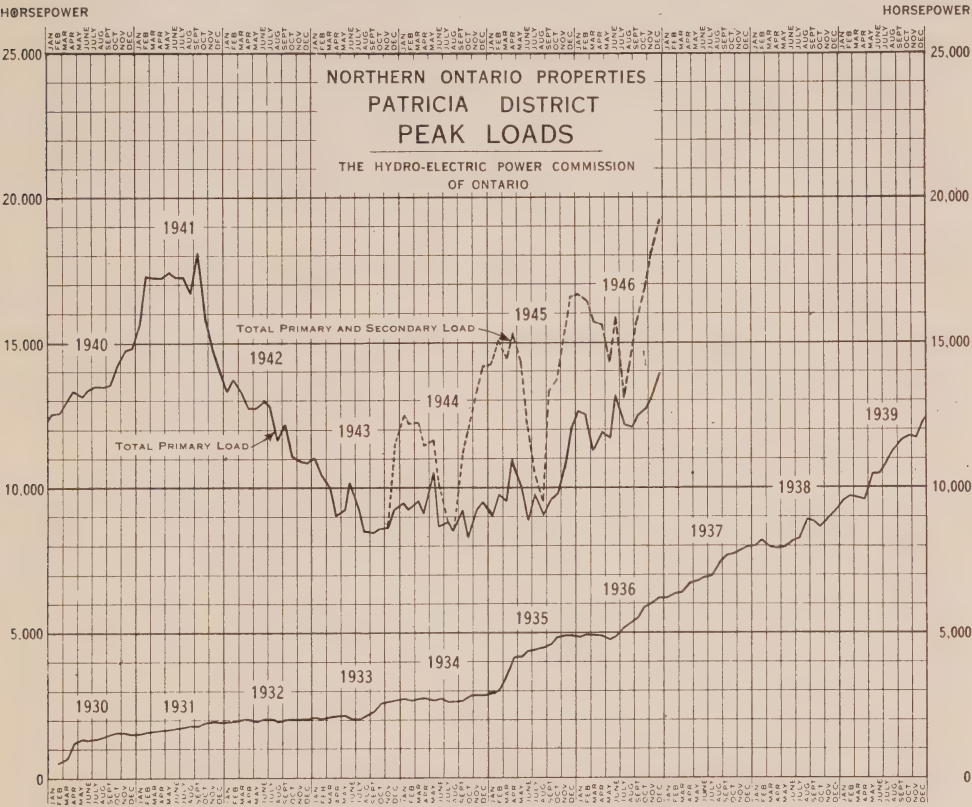
The Nipissing district peak load was 8,619 horsepower in October 1946. Compared with the peak load of the previous October, it shows an increase of 19.6 per cent. Energy consumption for the year was 17.9 per cent greater.



Water conditions in this district, although favourable early in the year, were, on the average over the whole year, below normal. Generating capacity within this district was insufficient to meet the district load requirements. During 1946 the shortage of approximately 13,525,000 kilowatt-hours was supplied from the Sudbury district resources.

Manitoulin District

The load of the Manitoulin district, which is supplied by purchase from the Manitoulin Pulp Company, rose from a peak load in October 1945 of 723 horsepower to 890 horsepower in October 1946, an increase of 23.2 per cent. The year's energy requirements increased 35.7 per cent.



Patricia District

The Patricia district's primary peak loads in October 1945 and October 1946 were 9,866 horsepower and 12,721 horsepower, respectively, showing an increase of 28.9 per cent. The majority of this increase resulted from increased taking of the gold mines in this district; service to three new mines being added during the year and service resumed to one mine, suspended for the war. Exclusive of primary power, 19 905,000 kilowatt-hours were supplied to four mining companies for the operation of electric boilers during the year.

Rainy River District

Power for the Rainy River district is purchased from the Thunder Bay system at cost. The load of this district is included in the load statistics of the Thunder Bay system primary load. During the year the average of the monthly peak loads supplied to the Rainy River district was 17,705 horsepower, being 5 per cent less than that supplied in the previous year.

NORTHERN ONTARIO PROPERTIES—LOAD OF MUNICIPALITIES—1945-1946

| Municipality | Frequency cycles | Peak load in horsepower | | Change in load | |
|-----------------------------|---------------------|----------------------------|-----------------------|----------------|----------|
| | | July to Dec., 1945 | July to Dec., 1946 | Decrease | Increase |
| ABITIBI DISTRICT | | | | | |
| Hislop Townsite..... | 25 | 48.5 | 58.9 | ..... | 10.4 |
| Kearns Townsite..... | 25 | 112.3 | 149.7 | ..... | 37.4 |
| King Kirkland Townsite..... | 25 | 40.6 | 50.1 | ..... | 9.5 |
| Matachewan Townsite..... | 25 | 235.0 | 245.8 | ..... | 10.8 |
| Matheson..... | 25 | 138.8 | 184.4 | ..... | 45.6 |
| Mooretown..... | 25 | 49.1 | 69.4 | ..... | 20.3 |
| Ramore..... | 25 | 43.8 | 58.4 | ..... | 14.6 |
| SUDBURY DISTRICT | | | | | |
| Capreol..... | 60 | 365.3 | 671.7 | ..... | 306.4 |
| Sudbury..... | 60 | 12,683.1 | 13,828.7 | ..... | 1,145.6 |
| NIPISSING DISTRICT | | | | | |
| Callander..... | 60 | 119.6 | 140.6 | ..... | 21.0 |
| Nipissing..... | 60 | 3.0 | 3.0 | ..... | ..... |
| North Bay..... | 60 | 6,031.5 | 7,258.6 | ..... | 1,227.1 |
| Powassan..... | 60 | 148.9 | 191.4 | ..... | 42.5 |
| PATRICIA DISTRICT | | | | | |
| Cottage Cove..... | 60 | 71.8 | 155.5 | ..... | 83.7 |
| Hudson..... | 60 | 105.2 | 138.6 | ..... | 33.4 |
| Red Lake Townsite..... | 60 | 229.3 | 541.3 | ..... | 312.0 |
| Sioux Lookout..... | 60 | 442.2 | 523.3 | ..... | 81.1 |

MAINTENANCE OF THE SYSTEMS

During the war years much desirable maintenance work was necessarily deferred and only such work was undertaken as was essential to maintain the standard of service required for the expanded war loads. With the restoration of the maintenance staff to prewar strength, fair progress was made during 1946 in catching up on deferred maintenance work. Progress however was greatly handicapped by the short supply of equipment and materials, and the difficulties of releasing any part of the overburdened plant for repairs.

Turbines

At the power houses, inspection and routine maintenance was carried out on all turbines, generators and auxiliary equipment. During the year, seven turbines of 10,000 horsepower, or greater, and ten turbines under 10,000 horsepower, were completely dismantled and thoroughly overhauled. Work on one of the larger units was not entirely completed at the end of the year.

Generators

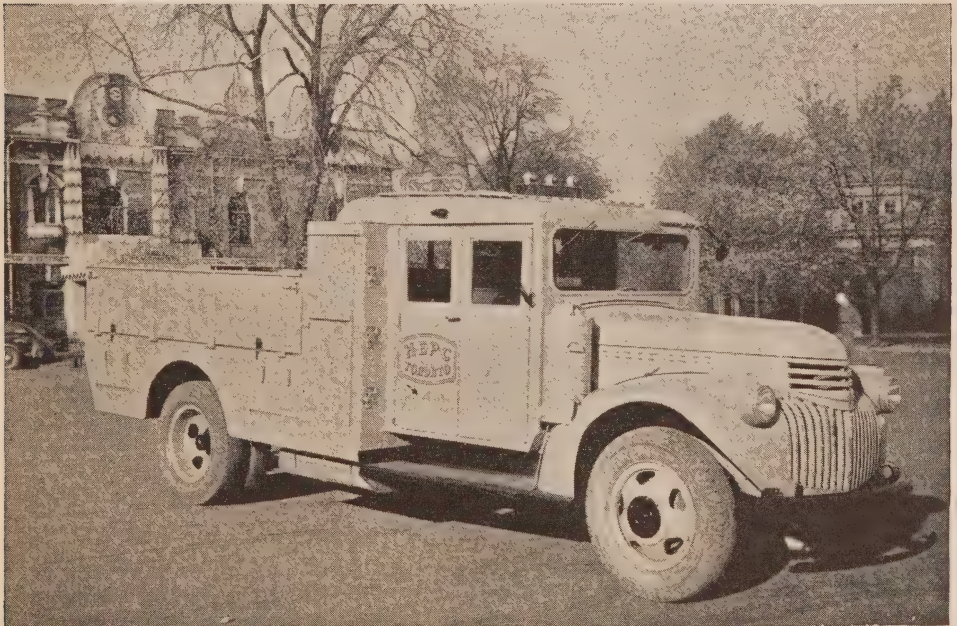
At the DeCew Falls generating station the 25-cycle generator, the armature windings of which were destroyed by fire on December 21, 1945, was completely rewound and the unit returned to service February 5, 1946. New armature windings were installed in two smaller generators, one at the Seymour generating station and the other at South Falls generating station. Major maintenance of three large generators in the plants on the Niagara river and several small generators, chiefly in the Timiskaming district in Northern Ontario, was also carried out.

Transformers

Several transformers, varying in size from 150 to 5,000 kva, were rebuilt and restored to service. To meet increasing load demands, transformers at many distributing stations were replaced by ones of larger capacity, involving about 18,000 kva of additional capacity. A number of 110,000-volt oil-breakers were modernized to improve their interrupting capacity.

Transmission Lines

Regular patrol of all transmission lines was made. About 3,300 defective wooden poles were replaced and some 16,000 poles were given butt treatment to retard rot. A start was made on the postwar program of transmission tower painting. Approximately 60 miles of 110,000-volt towers in the Southern Ontario system have been completed. Radical changes in the 110,000-volt lines supplying the Toronto metropolitan area were commenced, also an undertaking to accommodate a new 220,000-110,000-volt transformer station near Islington and plans to improve the general power supply to the



Forestry truck equipped with tree trim body and compartment for crew

city of Toronto. Extensive rehabilitation of the 110,000-volt line, 92 miles in length, from Cameron Falls generating station to Long Lac transformer station in the Thunder Bay system, was undertaken and practically completed by the end of the year.

In northern Ontario, chiefly in the Timiskaming district, a large amount of transmission line maintenance work was carried out. Many miles of wood-pole lines were rebuilt and circuits were diverted at several places to improve and shorten lines.

Underbrushing of right-of-way, which was deferred during the war years, was resumed.

FORESTRY DIVISION

The field staff was restored to approximately two-thirds of its prewar strength by the return of men from military service and employment of new personnel. This enabled an increased volume of forestry operations to be undertaken.

Line Clearing

In addition to transmission and rural line clearing operations, it was possible to resume work for some of the municipalities.

SUMMARY OF LINE CLEARING OPERATIONS

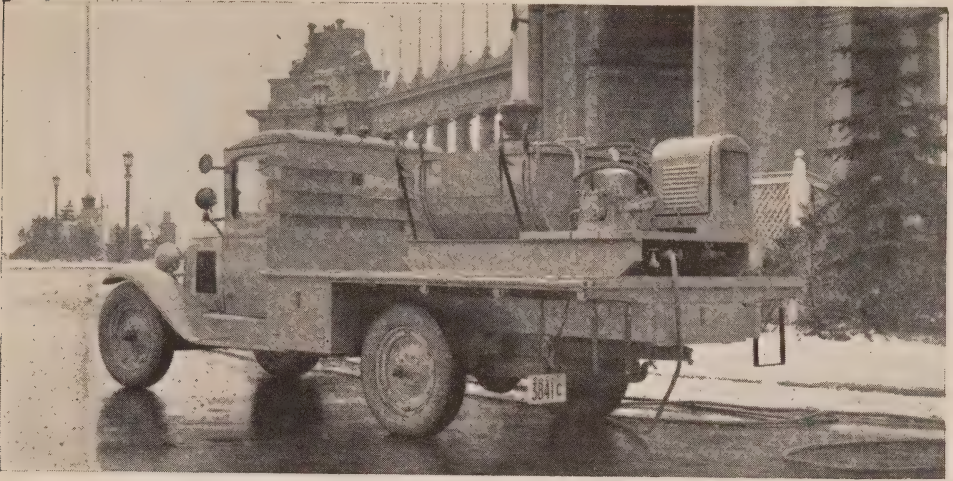
| | Brush cutting, pole spans | Trees treated | Miles of line cleared | Tree density per mile |
|---------------------------------------------|---------------------------------|------------------|-----------------------------|-----------------------------|
| Bell Telephone Co., joint use of poles..... | | 126 | 1 | 126 |
| New line construction..... | 1 | 1,511 | 33 | 45.8 |
| Municipal Hydro systems (4)..... | | 3,418 | 40 | 85.5 |
| Transmission and telephone lines..... | 598 | 60,989 | 2,854 | 21.4 |
| Rural operating areas..... | 40 | 18,091 | 374 | 48.4 |
| Total..... | 639 | 84,135 | 3,302 | 25.5 |

Forest Management

Forest surveys were made of Commission owned properties at Barrett Chute on the Madawaska river and Deschenes Rapids on the Ottawa river. Preliminary inspections were also made of other special properties.

Reforestation

No new planting projects were undertaken in 1946. The plantations at Eugenia and Sidney were inspected to determine the results of aeroplane spray to control the pine saw fly. Very few of these insects survived at Eugenia but a minor outbreak was found at Sidney. Both areas were brought under control by use of hand dusting machines and D.D.T. dusting powder.



Sprayer mounted on a platform for transportation by truck

Spraying

Trees and shrubbery on the more important properties in the Eastern Ontario and Niagara divisions were sprayed with chemical mixtures for the control of insects and fungus diseases. Experimental spraying operations involving the use of the new chemical 2-4-D were also carried out on lawn and stoned areas on several station grounds.

PRODUCTION AND SERVICE DIVISION

The operation of the garage, machine shop and carpenter shop continued on a satisfactory basis. The volume of work done in the garage was approximately equal to that of previous years and included overhauling 88 trucks, mounting 53 new truck bodies and reconditioning 44 units of gasoline driven equipment for the Construction and Operating departments. In addition, 1,404 orders were completed covering miscellaneous truck repairs.

The policy of systematically inspecting and repairing the Commission's fleet of 475 trucks was continued. During the fiscal year the fleet operated a total of 4,418,590 miles, an increase of 37.4 per cent over the previous year. The increase in truck mileage was caused by greatly increased activities in the construction of additional power developments, additional transmission lines and a heavier maintenance programme.

During the year 97 new trucks were purchased, 17 being replacements and 80 additions to the fleet.

The volume of work in the machine shop and carpenter shop continued on a very active basis, exceeding that of the previous year by approximately 86 per cent. The increase was due largely to the inability of various departments to obtain materials from outside manufacturers.

SECTION III

MUNICIPAL WORK

AT THE END of 1946 the Commission was serving 924 municipalities in Ontario. Of this number about two-thirds or 578, including 123 villages and 455 townships are served as an amalgamated rural division of Hydro service (dealt with in Section IV of this Report), and about one-third or 301 are supplied with power by the Commission under cost contracts and operate their own Hydro utilities either as a separate service or as part of a public utilities organization. In addition 45 municipalities are operated direct by the Commission or are served under other forms of contract. This section of the Annual Report deals with the Commission's work in connection with these urban municipalities which operate their own Hydro utilities.

The Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists municipal officials to purchase, construct or extend distribution systems. As provided under The Power Commission Act, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

Municipalities Served

During the year the Commission provided power to a number of municipalities under the following conditions—

NEW MUNICIPALITIES

A cost contract agreement was entered into and service supplied on July 1, to the village of Bobcaygeon.

A temporary supply of power was delivered to the town of Parry Sound on August 1. Service was given on a month to month basis at a fixed rate. A vote will be taken in January 1947 as to whether the electors of this municipality are in favour of obtaining a supply of power from the Commission.*

AMALGAMATION OF VOTED AREAS

On September 1, Trafalgar Township Voted Areas numbers one and two were amalgamated and now operate as one area.

* Vote was in favour.

TOWNSITE ADDED TO EXISTING SYSTEM

During the year the local distributing system on McKenzie island was purchased from a mining company and added to the Commission's existing Cottage Cove system.

Increased Municipal Loads

The power requirements of urban municipalities are rapidly increasing. During the first eight months of the present year, the increase in demands was almost double the usual increase. During the summer, in some municipalities, loads were curtailed due to labour disputes, but with the settlement of these difficulties, the abnormal increases were resumed.

Loads are increasing rapidly in many existing industrial plants. New industries are being established, many of which are the outcome of ideas developed during the war. Large manufacturing concerns are establishing branch industries in smaller centres, often a considerable distance from the parent plants. There is also a noteworthy trend to establish new industries in suburban areas, a tendency particularly marked in such industries as plastics, chemicals, building products, rubber, electrical appliances and agricultural machinery. It is interesting to note that many British concerns are arranging to establish branch plants in municipalities throughout the Province.

A comparison of the average load sold during 1946 in southern Ontario with that sold during 1945 indicates a substantial increase in suburban areas lying outside large urban centres, also in the smaller communities. The percentage increase is as follows: Cities 4.3 per cent; towns 9.7 per cent; voted areas (suburban outside large urban centres) 24.3 per cent; villages, police villages, etc., 18.0 per cent; total of all municipal loads 6.8 per cent.

Of the 301 Hydro utilities shown in the Commission financial statement for Southern Ontario and Thunder Bay systems, 284 show increases in average load and 17 show decreases. In most cases these decreases were the result of industrial disputes which continued for some months.

The change made in October 1945 from day-light saving time to standard time produced in most municipalities an indeterminate increase, and accounts in part for the increased demands established after October 1945.

Industrial Loads Served Directly By The Commission

In addition to providing power supplies to urban municipalities under contract, the Commission serves a number of large and important industries in various parts of the Province. In some cases the municipal facilities are not adequate for the purpose, in others the industry is of such a character that it is desirable to serve it direct as a system customer.

Numerous requests have been received for a future supply of power to serve many classes of industry. The industrial groups represented include:

The Chemical Industry.

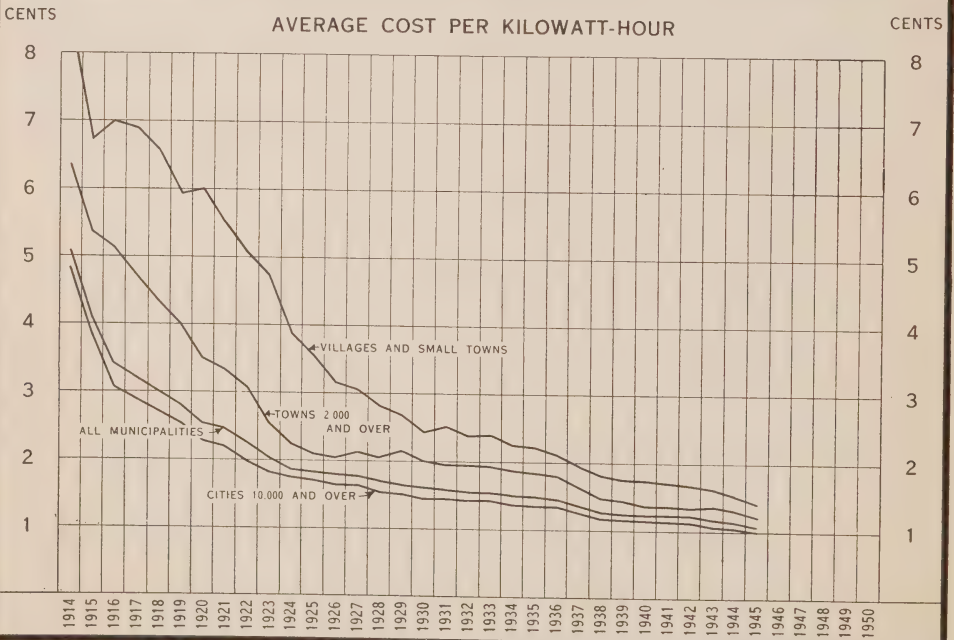
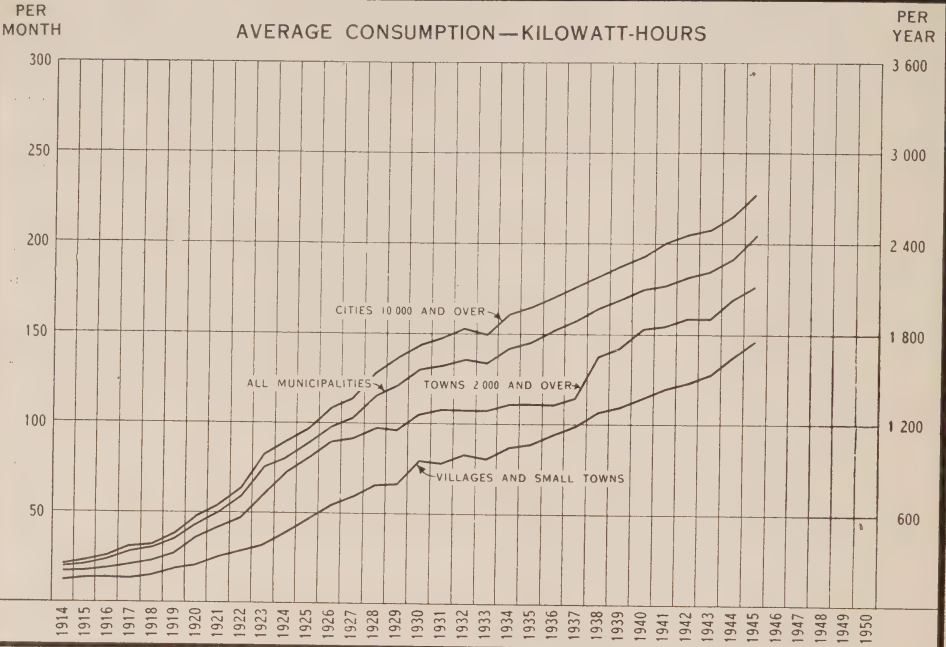
Electro-smelting and furnaces, the loads of which are increasing over and above those obtaining during the war.

Pulp and paper industry—Very large demands are developing in Northern Ontario, including power for projected Kraft pulp mills

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

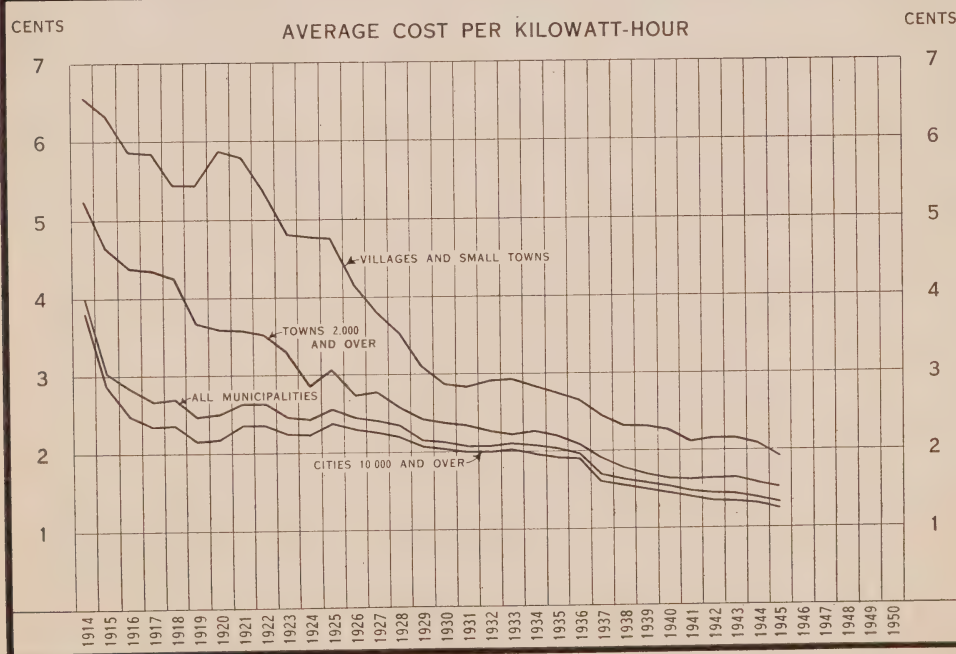
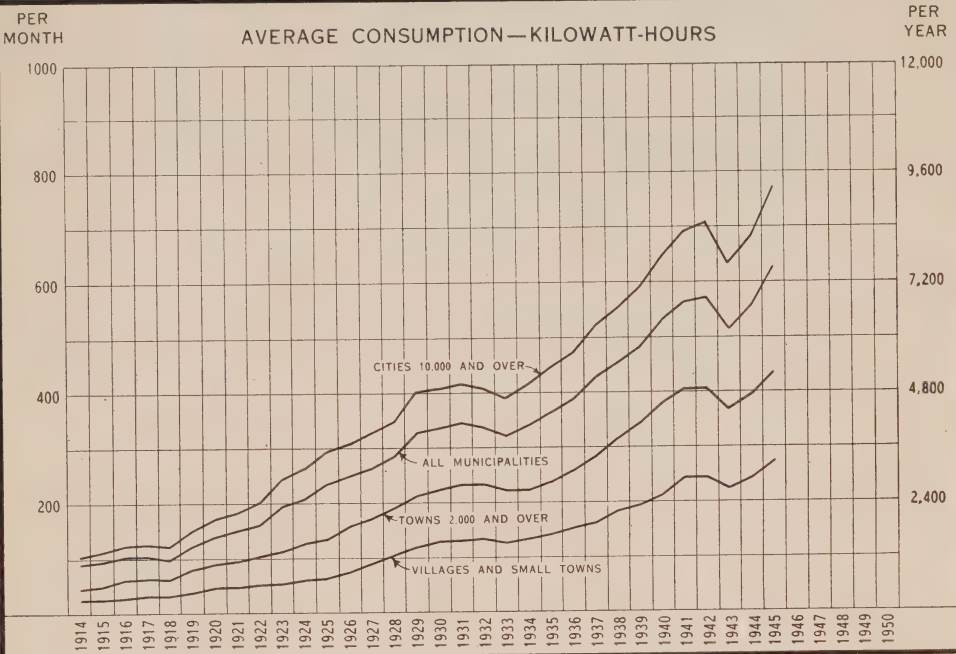
INCREASED USE BRINGS LOWER UNIT COST

DOMESTIC SERVICE



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

LOW UNIT COST PROMOTED BY INCREASED USE
COMMERCIAL LIGHT SERVICE



to be operated in conjunction with saw mills, so that more of the scrap can be used for pulp.

Cement—The present plants are working at full capacity and at least one new plant is proposed.

Mining—The production of base metals is increasing in a satisfactory manner, and production increases are also noted in iron and non-metallic mining. On the other hand, owing to continuing shortage of labour, there has not yet been an increase in the production of gold. There is, however, marked activity in the search for new gold mines, many of which may develop as producing mines in the next few years.

The intense war production brought both to management and labour new skills and improved manufacturing facilities so that industries are now being established in lines not heretofore attempted. This phase of the industrial growth of the Province may be of far reaching importance.

Statistical Summary of Growth by Utilities

The annual growths in revenue and kilowatt-hour consumption, also the reduction in the average cost per kilowatt-hour from 1914 to 1945 for all domestic and commercial consumers are shown in the accompanying

GROWTH IN HYDRO DOMESTIC SERVICE 1914 TO 1945 ALL URBAN MUNICIPALITIES COMBINED

| Year | Number of municipalities | Annual revenue | Kilowatt-hours consumed | Number of consumers | Average cost per kw-hr | Average monthly bill | Average monthly consumption |
|-------|--------------------------|----------------|-------------------------|---------------------|------------------------|----------------------|-----------------------------|
| | | \$ | | | cents | \$ c. | kw-hrs |
| 1913. | | | | 49,200 | | | |
| 1914. | 49 | 730,168 | 14,359,100 | 64,866 | 5.08 | 1.06 | 21 |
| 1915. | | 854,748 | 20,935,000 | 85,865 | 4.08 | 0.92 | 22 |
| 1916. | | 992,628 | 29,359,900 | 108,364 | 3.42 | 0.82 | 24 |
| 1917. | 123 | 1,340,855 | 41,930,200 | 131,313 | 3.20 | 0.91 | 29 |
| 1918. | | 1,583,677 | 52,731,700 | 146,885 | 3.00 | 0.92 | 31 |
| 1919. | | 1,933,577 | 68,409,100 | 169,455 | 2.82 | 1.01 | 35 |
| 1920. | 166 | 2,514,658 | 98,211,000 | 193,892 | 2.56 | 1.15 | 45 |
| 1921. | | 3,086,051 | 124,619,800 | 219,465 | 2.48 | 1.24 | 50 |
| 1922. | | 3,761,172 | 166,182,000 | 245,577 | 2.26 | 1.34 | 59 |
| 1923. | 206 | 4,955,420 | 242,926,600 | 286,852 | 2.04 | 1.54 | 76 |
| 1924. | | 5,548,835 | 292,608,400 | 303,787 | 1.89 | 1.56 | 80 |
| 1925. | | 6,414,134 | 342,356,700 | 326,307 | 1.85 | 1.67 | 90 |
| 1926. | 242 | 7,353,394 | 404,722,959 | 349,882 | 1.81 | 1.79 | 98 |
| 1927. | 267 | 8,497,190 | 469,851,690 | 387,573 | 1.80 | 1.87 | 103 |
| 1928. | 268 | 9,411,812 | 551,010,035 | 408,071 | 1.71 | 1.97 | 115 |
| 1929. | 273 | 10,256,860 | 612,141,722 | 424,419 | 1.67 | 2.05 | 122 |
| 1930. | 273 | 10,752,720 | 671,028,310 | 433,260 | 1.61 | 2.09 | 130 |
| 1931. | 289 | 11,226,091 | 704,784,457 | 447,466 | 1.59 | 2.12 | 133 |
| 1932. | 298 | 11,676,222 | 740,900,418 | 452,615 | 1.57 | 2.15 | 136 |
| 1933. | 300 | 11,639,178 | 742,195,402 | 460,878 | 1.57 | 2.10 | 134 |
| 1934. | 300 | 12,078,069 | 797,532,709 | 463,913 | 1.51 | 2.17 | 143 |
| 1935. | 302 | 12,393,536 | 826,972,873 | 471,265 | 1.50 | 2.19 | 146 |
| 1936. | 302 | 12,922,466 | 881,972,324 | 482,557 | 1.47 | 2.23 | 152 |
| 1937. | 305 | 12,680,921 | 926,350,703 | 490,140 | 1.37 | 2.16 | 157 |
| 1938. | 312 | 12,880,180 | 1,003,489,453 | 507,132 | 1.28 | 2.12 | 165 |
| 1939. | 317 | 13,300,898 | 1,056,310,109 | 518,123 | 1.26 | 2.14 | 170 |
| 1940. | 317 | 13,905,290 | 1,115,888,837 | 531,514 | 1.25 | 2.18 | 175 |
| 1941. | 320 | 14,452,796 | 1,169,273,964 | 546,613 | 1.24 | 2.20 | 178 |
| 1942. | 323 | 15,022,931 | 1,224,195,712 | 559,605 | 1.23 | 2.24 | 182 |
| 1943. | 323 | 15,069,547 | 1,266,930,625 | 570,470 | 1.19 | 2.20 | 185 |
| 1944. | 323 | 15,528,445 | 1,348,099,019 | 579,890 | 1.15 | 2.23 | 194 |
| 1945. | 340 | 16,053,818 | 1,494,258,124 | 608,905 | 1.07 | 2.20 | 205 |

tables and graphs. The figures include all the municipal utilities listed in Statement "D" of Section X of this Report and also those municipal utilities owned and operated by The Hydro-Electric Power Commission of Ontario.

The tables give complete information for "all municipal utilities combined" for both domestic and commercial services; the graphs show only increased use and decreased cost for domestic and commercial services but give these data for cities, towns and villages as well as for "all municipalities combined."

It should be noted that the reduction in average cost per kilowatt-hour shown in accompanying tables is only in part due to reductions in rates or prices to consumers. Credit for the reduction in average cost belongs chiefly to the promotional form of modern rate schedules which are designed to give consumers the benefit of the low overall costs of providing additional energy by means of distribution facilities already established.

It should also be noted the tables indicate the amount charged to consumers on their regular accounts and that these figures do not include the

GROWTH IN HYDRO COMMERCIAL LIGHT SERVICE 1914 TO 1945—ALL URBAN MUNICIPALITIES COMBINED

| Year | Number of municipalities | Annual revenue | Kilowatt-hours consumed | Number of consumers | Average cost per kw-hr | Average monthly bill | Average monthly consumption |
|-------|--------------------------|----------------|-------------------------|---------------------|------------------------|----------------------|-----------------------------|
| | | \$ | | | cents | \$ c. | kw-hrs |
| 1913. | | | | 13,113 | | | |
| 1914. | 43 | 624,781 | 15,669,700 | 15,657 | 4.00 | 3.63 | 91 |
| 1915. | | 649,585 | 21,444,900 | 19,324 | 3.03 | 2.95 | 97 |
| 1916. | | 753,784 | 26,866,000 | 22,216 | 2.82 | 2.87 | 102 |
| 1917. | 123 | 860,475 | 31,983,500 | 27,453 | 2.69 | 2.77 | 103 |
| 1918. | | 947,769 | 35,053,500 | 29,570 | 2.70 | 2.70 | 99 |
| 1919. | | 1,158,406 | 47,087,000 | 33,307 | 2.46 | 3.03 | 123 |
| 1920. | 166 | 1,477,963 | 59,336,900 | 36,496 | 2.50 | 3.51 | 140 |
| 1921. | | 1,818,211 | 68,863,500 | 39,333 | 2.64 | 3.98 | 151 |
| 1922. | | 2,143,981 | 81,216,000 | 43,098 | 2.64 | 4.26 | 162 |
| 1923. | 206 | 2,613,257 | 105,482,600 | 46,383 | 2.46 | 4.80 | 196 |
| 1924. | | 2,907,427 | 120,474,800 | 50,137 | 2.41 | 4.99 | 207 |
| 1925. | | 3,836,946 | 151,555,200 | 56,018 | 2.54 | 5.98 | 235 |
| 1926. | 242 | 4,176,595 | 171,797,014 | 58,444 | 2.43 | 6.08 | 250 |
| 1927. | 267 | 4,823,781 | 200,606,137 | 64,039 | 2.40 | 6.39 | 267 |
| 1928. | 268 | 5,436,795 | 234,526,831 | 68,013 | 2.32 | 6.66 | 287 |
| 1929. | 273 | 5,893,217 | 272,343,330 | 70,106 | 2.16 | 7.11 | 329 |
| 1930. | 273 | 6,094,871 | 287,838,022 | 71,873 | 2.11 | 7.15 | 338 |
| 1931. | 289 | 6,377,520 | 305,121,640 | 75,286 | 2.09 | 7.20 | 344 |
| 1932. | 298 | 6,402,882 | 306,596,543 | 75,705 | 2.09 | 7.05 | 338 |
| 1933. | 300 | 6,149,792 | 292,335,489 | 75,443 | 2.10 | 6.79 | 323 |
| 1934. | 300 | 6,344,921 | 306,632,722 | 75,016 | 2.07 | 7.05 | 341 |
| 1935. | 302 | 6,601,461 | 327,413,421 | 74,884 | 2.02 | 7.35 | 364 |
| 1936. | 302 | 7,001,893 | 355,235,553 | 75,878 | 1.97 | 7.69 | 390 |
| 1937. | 305 | 6,676,968 | 393,067,119 | 76,620 | 1.70 | 7.26 | 428 |
| 1938. | 312 | 6,909,454 | 427,020,841 | 78,021 | 1.62 | 7.38 | 456 |
| 1939. | 317 | 7,256,262 | 459,635,100 | 78,949 | 1.58 | 7.66 | 485 |
| 1940. | 317 | 7,785,024 | 508,986,422 | 79,512 | 1.53 | 8.16 | 533 |
| 1941. | 320 | 7,991,091 | 540,995,581 | 79,824 | 1.48 | 8.34 | 565 |
| 1942. | 323 | 7,695,928 | 531,680,336 | 77,326 | 1.45 | 8.29 | 573 |
| 1943. | 323 | 6,787,241 | 472,129,977 | 76,194 | 1.44 | 7.42 | 516 |
| 1944. | 323 | 7,298,848 | 524,905,356 | 78,256 | 1.39 | 7.77 | 559 |
| 1945. | 340 | 8,429,573 | 634,878,480 | 84,413 | 1.33 | 8.32 | 627 |

further benefit that a large number of consumers obtain in the form of cash refunds from time to time.

Under such promotional rate schedules, providing the initial rates are not too high, there is established a beneficial cycle of increased use, leading to lower average costs, which if passed on to consumers in the form of lower rates or prices starts a repetition of the cycle. Under the Hydro practice of giving service at cost the promotional feature is inherent in the rate schedules, and the annual review of operations made by the Commission leads to appropriate rate reductions from time to time, although reduced average cost is chiefly a function and evidence of increased average use.

Financial Progress of Municipal Electrical Utilities

The consolidated balance sheet, published on page 207 of this Report, shows a total plant value in Hydro utilities of \$110,207,969, against which is a debenture balance debt of \$9,049,584. However, some municipalities are accumulating a sinking fund to pay for debentures at maturity and up to 1946 this fund amounted to \$4,609,214. If this sinking fund is deducted from the debenture balance debt the actual unpaid debenture debt would be \$4,440,370. or about 4 per cent of the original value of the distribution systems.

Automatic reduction in the debenture debt, due to the annual principal or sinking fund payment being provided for out of revenue, and the remarkable accumulation of assets reflect a satisfactory financial condition of the Hydro utilities generally. Statement "A" of this Report shows the relation of assets to liabilities in 304 municipalities. In 93 per cent of these municipalities the quick assets such as cash, bonds, accounts receivable and inventories exceed in value the total liabilities, including the debenture balance and their Hydro utilities may fairly be considered as being out of debt.

Engineering Assistance To Municipalities

In its advisory capacity the Commission gave general engineering assistance to municipalities especially in preparing estimates for expenditures to be made in the post-war period. The assistance given relates to deferred maintenance and rehabilitation of the local systems, to the design of more modern street lighting facilities, the preparation of estimates for increased substation facilities, the taking on of new industries and the general utilization of Hydro service. Where additions to capacity of distribution stations and systems are planned or have been made they are of course usually necessary because of increasing loads. The more important matters concerning which advice was given are briefly tabulated below.

SOUTHERN ONTARIO SYSTEM

Niagara Division

Agincourt—A plan outlining additions and improvements to increase the capacity of the system was made.

Amherstburg—Plans were made to install a second 4,000-volt feeder from Amherstburg distributing station.

Blenheim—A 150-kva transformer bank was installed to supply a hybrid corn processing plant. The 4,000-volt primary distribution feeders were rebuilt.

Caledonia—Plans were made to rehabilitate and strengthen the local distribution system.

Chatham—Work continued on the new Grand Avenue municipal station. The building was completed, the 26,000-volt submarine cable laid, and the 3,000-kva transformer and 4,000-volt breakers were installed.

Plans were completed to erect a new 3,000-kva municipal station on Richmond street west to supply several new industries. A duct line nearly one mile long was laid to place underground existing overhead 4,000-volt feeders, supplying the industrial load in the western part of the city.

Modern street lighting units were erected on highway thoroughfares in the city.

Chippawa—Plans were made and submitted to the local Commission for the installation of a modern street lighting system.

Delaware—Estimates were made and plans prepared to change the distribution system from 4,000 to 8,000 volts.

Dorchester—Estimates were made and rates approved for improved street lighting on Hamilton Road.

Dresden—The distribution transformer capacity was increased.

Dundas—During the year a large textile mill located in the municipality. This made it necessary to supply power at 13,200 volts.

Dunnville—Studies were made concerning the advisability of increasing the substation facilities.

Dutton—A bank of three 50-kva transformers was installed to provide service to a new power consumer.

East York Township—This system experienced exceptionally large growth in the number of domestic consumers, which made it necessary to plan for the installation of a new 1,875-kva substation, as well as additions and improvements to the distribution system.

Elmira—The 1,500-kva distributing substation formerly owned by The Hydro-Electric Power Commission, was purchased by the local Commission.

Erieau—Plans were completed to relocate a large portion of the primary distribution system and to increase the capacity of the secondary feeders and transformers.

Erie Beach—Street lighting was installed and sections of the distribution system were rebuilt.

Fergus—The 1,500-kva distributing substation formerly owned by The Hydro-Electric Power Commission was purchased by the local Commission.

Galt—The construction of a garage and storehouse is well under way. It is adjacent to and connected with the office building and faces on Wellington street. The estimated cost, including lighting and heating equipment, is \$35,000.

Approximately three miles of streets were equipped with modern luminaires, spaced at 200 feet and equipped with 300-watt multiple lamps. The units are mounted on 10 feet and 12 foot mast arms and overhang the pavement in order to provide the proper distribution of light.

Georgetown—A second substation of 1,200-kva capacity was ordered by Georgetown Hydro-Electric Commission. It will go into service early in 1947.

Guelph—Substation facilities were increased by the addition of one 1,500-kva station and one 750-kva station.

Kitchener—Rapid industrial expansion chiefly in the rubber industries made it necessary to extend the high-tension distribution facilities. Also, a rapid increase in the use of domestic and commercial service made it necessary to construct a new 3,000-kva station.

To supply direct current to trolley buses operated by the municipality a new substation of the ignitron type, converting alternating to direct current was planned.

Leamington—The 4,000-volt underground system was extended and the capacity increased.

London—A new 13,200-volt line was constructed from the London high-tension station to the local substation on Ridout street. Part of this line was built overhead and the remainder was put underground.

Lucan—Plans were prepared to extend the distribution system to supply power to the new waterworks west of the village.

Mimico—Studies were made for additional feeder and substation capacity.

Moorefield—The local distribution system was rebuilt by the Commission's rural staff stationed in Listowel.

Mount Brydges—Extensive changes are proposed for the rebuilding and improving of the distribution system with an increase from 4,000 to 8,000 volts.

New Hamburg—A new substation was constructed and the local circuits were rearranged.

Newmarket—Distribution transformer capacity was increased to supply new power consumers and facilities were provided to supply power to a large industrial plant now being constructed.

Niagara Falls—Plans covering various improvements in the supply and distribution of power have been discussed, including the installation of telemetering and improvement in street lighting. A 1,500-kva water-cooled transformer is being rebuilt for outdoor use and will be moved from the Victoria street to the Hickson street station.

North York Township—One 1,875-kva unit substation was moved from a factory where the return to peace-time operation resulted in a reduction of load, to a place where additional substation capacity was required to serve new homes. It was decided to increase the capacity of one substation and construct two additional substations. The work will be started in 1947.

Petrolia—The new office building, commenced last year was completed.

Port Dalhousie—Has been served at 4,000 volts from a station in St. Catharines, but it is planned to construct a substation within the municipality to take power at 13,200-volts.

Port Dover—Is one of the leading fishing ports on the Great Lakes, and the freezing of fish has grown in importance. To supply adequate power for this purpose increased substation and distribution facilities are being provided. Street lighting on the main streets is being improved.

Port Rowan—An increased load makes it necessary to strengthen the distribution system

Preston—Modern street lighting equipment consisting of 29 luminaires on mast arms, equipped with 300-watt multiple lamps, was installed.

Rodney—Additional transformer capacity was installed.

St. Marys—A 600-kva, 2,200/550-volt substation was constructed at Jones and Water streets. This provides a supply of electricity at power voltage for a number of the power users. A large expenditure was made for distribution transformers.

St. Thomas—A new 13,200-volt, 3-conductor feeder cable was run from the main substation to Metcalfe street, a distance of 4,200 feet, to provide service to a new 2,000-kva transformer for lighting purposes, and also to three 150-kva transformers for power services.

Sarnia—The work of installing the necessary ducts and vaults to place underground the primary lines in the business section was completed.

Plans were completed for a third municipal station of 2,000-kva capacity in the east section of the city, where a large block of new houses is being erected.

Scarborough Township—Increased capacity was provided by the installation of forced-air cooling at one substation and plans were completed to add another substation of 1,875-kva capacity early in 1947.

Simcoe—The street lighting system is being remodelled. In the business section, ornamental standards with 500-watt lamps in modern luminaires are being erected on both sides of the street. Similar standards using 300-watt lamps are planned for the secondary thoroughfares. The supply system is multiple, with plastic-insulated cables in fibre conduit.

Stouffville—The distribution system is being strengthened and transformers added.

Streetsville—Service was given to a new filtration plant by means of new lines.

Swansea—It is planned to construct a 1,875-kva substation to serve part of this municipality at 26,400 volts. Hitherto Swansea has received its power supply through the facilities of the Toronto Hydro-Electric System.

Thedford—Modern street lighting units were installed on the business section. Distribution system transformer capacities were increased.

Thorndale—Arrangements have been made to provide an additional 40 horsepower for a new power consumer.

Toronto Township—Additional substations are planned to handle many new loads.

Trafalgar Township Voted Area—For some years past two voted areas have existed in Trafalgar township. It was decided to amalgamate the two areas into one in order to effect more economical operation. The amalgamation was made effective September 1, 1946.

Wallaceburg—Plans for the construction of a new 3,000-kva municipal station on the west side of the town were completed.

Waterloo—A second substation with a 2,000-kva, three-phase transformer was constructed, all work being done by the local Commission's staff. Remote-control switching, remote metering and temperature indication from No. 1 substation are features of the installation.

Watford—Plans were completed for a new consumer-owned 300-kva distributing station to supply an industrial welding load.

West Lorne—Distribution circuits are being removed from the main street in preparation for the installation of an ornamental street lighting system.

Wheatley—A new ornamental street lighting system in the business section of the town was installed.

Woodbridge—Arrangements were made to supply additional power at 26,400-volts to an industrial consumer who has enlarged his manufacturing plant.

Woodstock—The Public Utilities Commission has standardized on the installation of outdoor metering for its domestic and small commercial consumers. As these meters are installed a control wire is added for water heaters. Some five miles of 8,000/4,600-volt transmission line is being constructed to provide 90 horsepower at the Waterworks springs south of the city.

York Township—Studies were made as to the necessity of adding three additional 3,750-kva substations.

Georgian Bay Division

Alliston—The primary distribution system was improved and plans were made for the installation of additional distribution transformers and heavier secondaries in 1947. New street lighting is being planned for the business section.

A new rural substation will be placed in service in 1947 to supply the entire rural load now fed from the Alliston substation. This will relieve the overload on this station and provide capacity for further growth.

Arthur—The rebuilding of the feeder line supplying the town was completed. In addition to increased size of conductor, provision was made to raise the feeder voltage from 4,000 to 12,000 volts. This change will be completed when new transformer stations, one at Grand Valley stepping down from 44,000 to 12,000 volts and one at Arthur stepping down from 12,000 to 4,000 volts, are ready. These stations are planned for construction in 1947.

Plans were drawn up covering extensive improvements including better street lighting.

Barrie—The 3,000-kva substation in the Allandale section of the town was placed in service early in the year, but the installation of the low-tension switching and metering equipment has not been completed. Substantial changes were carried out on the distribution system to permit the transfer of load to the new station. A building to house new water heater control equipment will be erected on the property.

Beaverton—Improved street lighting is planned for the business section for 1947. A small woodworking plant was supplied with power this summer. Applications were also received for a power service to a new planing mill.

Bradford—The primary circuit was rebuilt from the substation south to the Holland marsh to supply two new power consumers, a large cold storage plant, and a vegetable processing plant.

Plans are being made for new street lights on the main streets.

Cannington—Plans are progressing for new street lights for the business section of the town, and it is expected they will be installed in 1947.

Chesley—A new industry manufacturing rubber products was supplied with power by a short extension to the distribution system.

Coldwater—A new service and power bank for the dairy was installed.

Collingwood—Plans were made for changes on the distribution system to improve the arrangement of the municipal circuits and the Commission's communication lines. Plans were made to extend the distribution system involving municipal attachments on the transmission poles.

Cookstown—Revamping of the distribution system is proceeding as material becomes available.

Dundalk—The transmission voltage to this municipality was raised from 22,000 to 44,000-volts and the capacity of the transformers in the substation was increased from 225 to 600 kva.

Durham—The transmission voltage to this municipality was changed from 22,000 to 44,000-volts, and the capacity of the transformers in the substation was raised from 450 to 600 kva.

Elmvale—A new substation was erected in the south end of the village. The high-tension circuit was removed from the main street and it is planned to remove the poles and install ornamental street lights.

Grand Valley—The transmission line voltage to this municipality was increased from 22,000 to 44,000 volts.

Gravenhurst—New buildings are being erected by one of the larger power consumers and its load is being gradually increased to an ultimate 600 horsepower. New primary conductor and transformer capacity will be provided for this and other additional loads.

Kincardine—Arrangements were made during the year to supply approximately 75 horsepower to a new woodworking industry. Plans were made for a number of changes and improvements to the distribution system.

MacTier—Substantial rehabilitation was carried out on the distribution system and new street lights will be installed when equipment becomes available.

Midland—Preliminary work was undertaken in regard to a contemplated distribution system change from 2,200 to 4,000 volts. A new overhead and underground feeder was extended to a coal company to serve a new substation erected by the Company on its property.

Mount Forest—Work in connection with changing the transmission voltage from 22,000 to 44,000 volts was completed, involving a corresponding change in the connection of the station transformers.

Neustadt—Remodelling the distribution system was carried out in accordance with plans submitted.

Orangeville—The transmission voltage to this municipality was changed from 22,000 to 44,000 volts, with a corresponding change in voltage and an increase in the capacity of the transformers in the substation from 750 to 2,000 kva.

Owen Sound—Work was completed on the installation of 3,000-kva additional capacity at the substation which will be of a temporary nature until a new substation, to be constructed in the vicinity of Twelfth street and Second avenue west, is completed.

A portion of the distribution system has been converted from 2 300 to 4,000 volts and is being served from the 3,000-kva addition at the main substation. Numerous improvements have been carried out on the local distribution system and plans which will involve further work of this nature over a period of several years have been prepared.

Paisley—Plans were prepared for extensive changes and improvements to the local distribution system. Work will be started in 1947.

Penetang—Substation capacity was increased and alterations were made to the distribution system.

Port Elgin—Improved street lighting, utilizing modern fixtures and equipment, were installed in the business section.

Port McNicoll—A preliminary study of the distribution system was made with a view to conversion from 2,200 to 4,000 volts. It is expected the work will be completed during 1947.

Shelburne—The transmission voltage to this municipality was changed from 22,000 to 44,000 volts, with a corresponding change in voltage and an increase in the capacity of the transformers in the substation from 300 to 600 kva.

Removal of poles from the business section of the main street, the installation of a modern street lighting system, and the complete remodelling of the

distribution plant is being planned. A start will be made on the actual construction during 1947.

Sunderland—The distribution system is being changed from 4,000 to 8,000/4,600 volts to take advantage of the nearby Pinedale substation as a source of supply.

Thornbury—Changes were made in the municipal generating plant to permit parallel operation with the Georgian Bay division plants.

Tottenham—The removal of the pole line from the main street is progressing. Five new street lights have been installed and the remaining twelve in the business section will be in service early in 1947.

Uxbridge—An additional feeder is planned to supply the north section of the town. This feeder will be used as a loop feed in case of emergency. New street lights for the business section are being planned for 1947.

Victoria Harbour—The high-tension feeder to the municipality was converted from single to three phase with similar changes in the substation and on the distribution system to provide for a new 60-horsepower load at the chemical plant.

Waubauskene—A new transformer bank was erected to provide for a 75-horsepower load to an ice company.

Warton—A survey was made of the distribution system and plans were drawn up covering extensive improvements required, particularly in the business area.

Windermere—Changes were made to take care of substantial increase in load at a large summer hotel.

Wingham—A meter department was organized to handle repairs and adjustments and to provide facilities for re-inspection of meters for the town and district.

Eastern Ontario Division

Alexandria—A new rural station is being erected to relieve the overloaded condition of the municipal station.

Bobcaygeon—A contract for 100 horsepower was signed by the municipality, and the Commission constructed a new single-phase 6,900-volt line to deliver approximately 100 horsepower to the municipality to supplement the power from the local generating plant. Power was delivered on July 1, 1946.

Bowmanville—A new substation will be installed in Bowmanville as soon as material can be obtained to take care of increased load.

Brockville—The Phillips Electric Company which has received its supply of power in past years direct from the Commission has been transferred to the municipal system.

Cobourg—Estimates are being prepared for increasing the capacity of the present substation to take care of new load and normal growth. This will also be the first step in changing the local distribution system from 2,300-volts delta to 4,000-volts star.

Martintown—The substation at Martintown serving the municipalities of Lancaster and Martintown and the adjoining rural area was enlarged. The voltage of the distribution system was changed to 8,000 volts.

Norwood—The Commission’s rural staff, which operates the distribution system in this municipality, rebuilt and improved a large portion of the distribution system.

Ottawa—Investigations and studies were conducted to determine the value of the properties of the Ottawa Light, Heat and Power Company.

Peterborough—Approval was given for the construction of an extension to the Peterborough Public Utilities building. This extension will provide increased office space and storage and meter testing facilities.

Port Hope—Consideration is being given to locating a new substation of adequate capacity in the industrial area at the south end of the town

Smiths Falls—It was necessary to add a 750-kva transformer temporarily at the substation pending the installation of a second substation.

Trenton—To provide for new industrial loads plans and estimates for doubling the feeder capacity serving the town of Trenton out of Sidney terminal station have been prepared.

THUNDER BAY SYSTEM

The Thunder Bay co-operative system serves the territorial district of Thunder Bay north of lake Superior. Two power developments on the Nipigon river supply 60-cycle power.

The co-operative municipalities include the cities of Port Arthur and Fort William, a voted area in Nipigon township, and the various townships of the Thunder Bay rural operating area. Power is also supplied to the mining townsites of Geraldton and Beardmore, to seven gold mines, in the Beardmore and Longlac mining districts, to four large paper mills and to the Rainy River district of the Northern Ontario Properties.

The total average load utilized during the year 1946 by the municipal systems and rural operating area amounted to 41,376 horsepower; by paper companies 63,289 horsepower; for mining operations and mining townsites 9,408 horsepower; and by the Rainy River district, Northern Ontario Properties, as measured at Port Arthur 17,358 horsepower. A small amount of power was also taken by the Kaministiquia Power Company. The load increases or decreases for these groups in 1946 over 1945 were approximately as follows:—

| Group | Change in average load | |
|-------------------------------------------------------|------------------------|------------|
| | Increase | Decrease |
| | horsepower | horsepower |
| Municipal systems..... | ..... | 881 |
| Rural service..... | 185 | ..... |
| Mining operations..... | 2,742 | ..... |
| Pulp and paper operations..... | 10,330 | ..... |
| Rainy River district, Northern Ontario Properties.... | ..... | 954 |

The total average load sold in 1946 was 131,460 horsepower, an increase of 11,451 horsepower.

The falling off in municipal load was due to reductions in load by war industries at Port Arthur, but present indications are that greatly increased

loads may be expected from new industries which have already applied for service. Load increases occurred in rural areas, but shortage of materials limited the construction of new lines.

Large post-war load increases have already occurred in both the mining and the pulp and paper industries. Further load increases to the extent of possibly 60,000 horsepower are expected during the next five years due to further expansion for mining and pulp and paper operations.

The falling off in load in the Rainy River district was only temporary, and planned expansion in the operations of both the Steep Rock Iron Mines and the Ontario-Minnesota Pulp and Paper Company will require greater supplies of power in the near future.

New generating plants are now under construction or being planned. Details of these are given in Section VI and VII of this Report. They include a plant of 53,500 horsepower on the Aguasabon river, power from which will be made available during the winter of 1948-49.

Engineering assistance and advice was given during the year to the local Commissions of Port Arthur, Fort William and Nipigon township covering the operation and maintenance of their local distribution systems, and advice was given to the various pulp and paper, and mining companies in connection with the expansion of their plants with greatly increased loads during the next five-year period.

NORTHERN ONTARIO PROPERTIES

The publicly-owned Hydro generating stations and transmission networks serving chiefly the mining areas of Northern Ontario and their associated communities are known as the Northern Ontario Properties. They are held in trust by the Commission for the Province and operated upon the financial responsibility of the Ontario government.

The policy of the Commission on behalf of the Government is to encourage and assist mining development and pulp and paper mill operation in northern Ontario, by supplying power at a low stabilized cost, as power cost constitutes an important item in the expense of operating these industries.

The Northern Ontario Properties serve seven districts as follows:

The **Abitibi district** serves the Porcupine, Kirkland Lake, Matachewan and Larder Lake gold mining areas, and the International Nickel and Falconbridge Nickel Companies at Sudbury. The total average load sold by the Abitibi district in 1946 was 111,334 horsepower, a decrease of 18 per cent, due to war load being dropped by the International Nickel Company. Increases in both nickel and gold mining loads now taking place will it is believed quickly put to use the relinquished power. Power supplies at 25 cycles come from a hydro-electric development at Abitibi Canyon.

The **Timiskaming district** serves the Larder Lake, Kirkland Lake and Porcupine mining sections. Service is supplied at both 25 cycles and 60 cycles from eight generating plants. The total average load sold in this district in 1946 was 46,957 horsepower, an increase of 6 per cent. The Timiskaming and Abitibi districts are interconnected through a frequency-changer set at Kirkland Lake.

The **Sudbury district** serves with 60-cycle power the territory adjacent to the city of Sudbury and the International Nickel and Falconbridge Nickel Companies. The total average load sold in 1946 was 24,123 horsepower an increase of 1.8 per cent.

The **Nipissing district** serves with 60-cycle power the area adjacent to the city of North Bay, the town of Powassan, and the village of Callander. The total load sold in this district in 1946 was 7,163 horsepower an increase of 18 per cent. The Sudbury and Nipissing district generating plants are all interconnected by transmission networks and the available power supplies were fully utilized in 1946.

Transmission tie-lines

Arrangements have been completed for constructing a tie transmission line between the 60-cycle generating plants of the Timiskaming district and the Crystal Falls generating plant in the Sudbury district. It is expected that this new tie line will be completed by the summer of 1947 and when placed in operation all of the generating plants in the Abitibi, Timiskaming, Nipissing and Sudbury districts will be tied together through transmission tie lines and the frequency-changer set at Kirkland Lake.

The **Patricia district** serves with 60-cycle power the Red Lake and Pickle Lake mining areas, and all territory as far east as Sioux Lookout, and as far south as Dryden. The total average load sold in 1946 was 11,110 horsepower, an increase of 22 per cent.

The **Rainy River district** serves, with 60-cycle power purchased from the Thunder Bay system, the Steep Rock Iron Mines and adjacent territory. The total average load sold to consumers in 1946 was 17,018 horsepower, a decrease of 5.9 per cent. Additional loads to be taken by the Steep Rock Iron Mine during the coming year will more than make up this loss.

The **Manitoulin rural operating area**, comprising all of Manitoulin Island, is also included in the Northern Ontario Properties. Power has been purchased from the Manitoulin Pulp Company, a subsidiary of Little Rapid Pulp Company of Minnesota which owned the Kagawong hydro-electric development on Manitoulin island. The Commission on November 1, 1946 acquired this generating plant.

Studies were made covering the installation of diesel-engine auxiliary units and also for securing a power supply from another hydro-electric source, or from a combination of both to supplement the output of the existing generating plant. Definite action will be taken to provide a new source of power next year.

Summary

Power is supplied by the Commission in Northern Ontario to thirty municipalities and townsites; four rural operating areas; fifty-eight gold mines; nine silver and cobalt mines; three nickel mines and to one iron mine. The total load sold in 1946 was 218,493 horsepower, a decrease of 8.1 per cent. Present indications are that increases during the coming year will more than make up for this load loss.

Great activity took place during 1946 involving plans for extensive expansion in gold, nickel, and iron mining operations, and also in connection with new pulp and paper mills. These activities may increase demands for power by approximately 70,000 horsepower during the next five years. The Commission is making plans to provide new power supplies to meet these conditions.

SECTION IV

RURAL ELECTRICAL SERVICE

IN ONTARIO

AGRICULTURE, the leading industry in the Province of Ontario, is depending more and more for its efficient and profitable operation upon low-cost Hydro service. The Hydro-Electric Power Commission is endeavouring to overcome difficulties caused by shortages of materials so that an increased productive capacity and a higher standard of living may be provided, through Hydro service, for many more of the farms of Ontario.

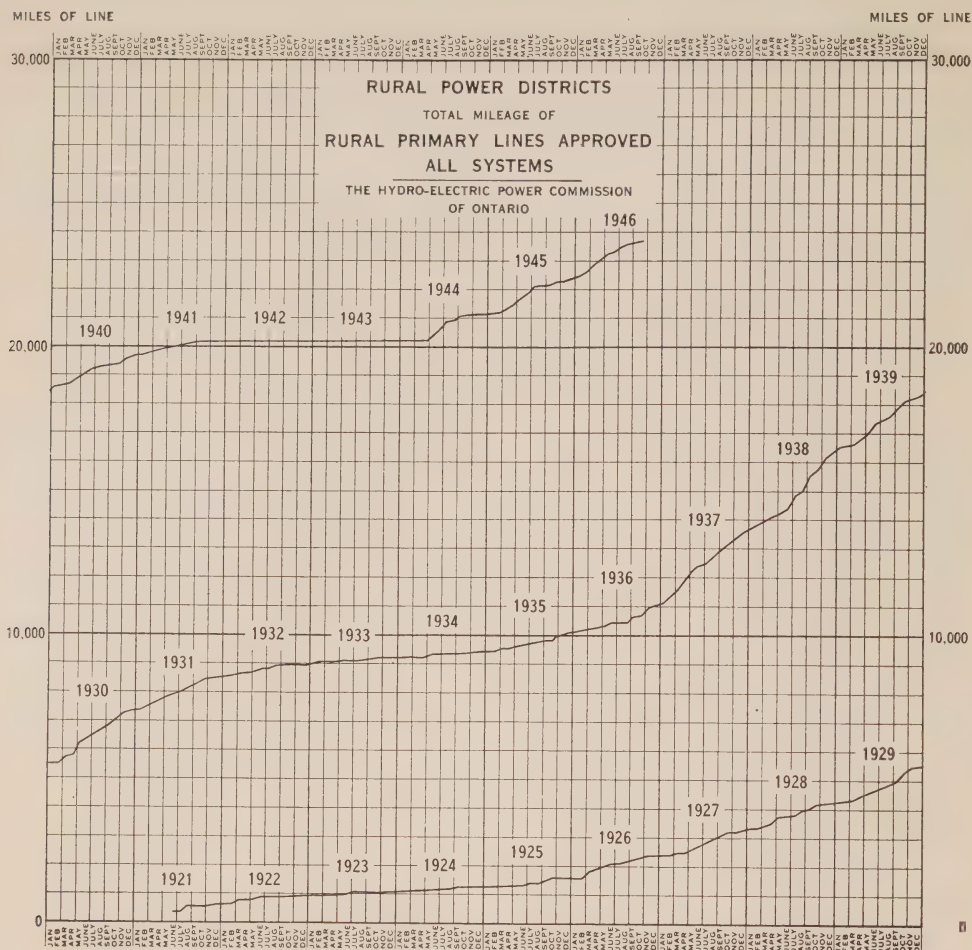
In 1944, the Commission put into operation a comprehensive revision of its rural service, incorporating a uniform rate structure with a common rate applicable to each class of service. It should be noted that the uniform rate applies to rural consumers only. Industrial power consumers served by the lines and facilities of rural operating areas have separate power rates. These rates, based on local cost of power and other factors, are given at the end of this section.

When introduced it was considered that the new rural rate structure would lessen some of the difficulties inherent in the problem of wider distribution of electricity in rural Ontario. After three years it is manifest that the revision carried out constitutes the greatest step forward since the formation of rural power districts (now called rural operating areas) in 1920, and the subsequent grants-in-aid inaugurated by the Province in 1921, and extended in 1924, in connection with its well established policy of assistance to agriculture.

Although for convenience of administration, the local rural operating areas have been retained as administrative units, the whole rural service is amalgamated into one rural power division of Hydro service, with a pooling of all revenue and expenses. This rural amalgamation and unification of rates is made possible by the financial assistance given by the Province as part of its aid to agriculture. The extent and effect of the Province's financial assistance with respect to the distribution of power in rural operating areas should therefore be clearly understood.

Provincial Assistance

The government grant-in-aid of 50 per cent of the capital cost of lines and equipment for the supply of power, relates solely to the initial capital investment for distribution facilities in rural operating areas.



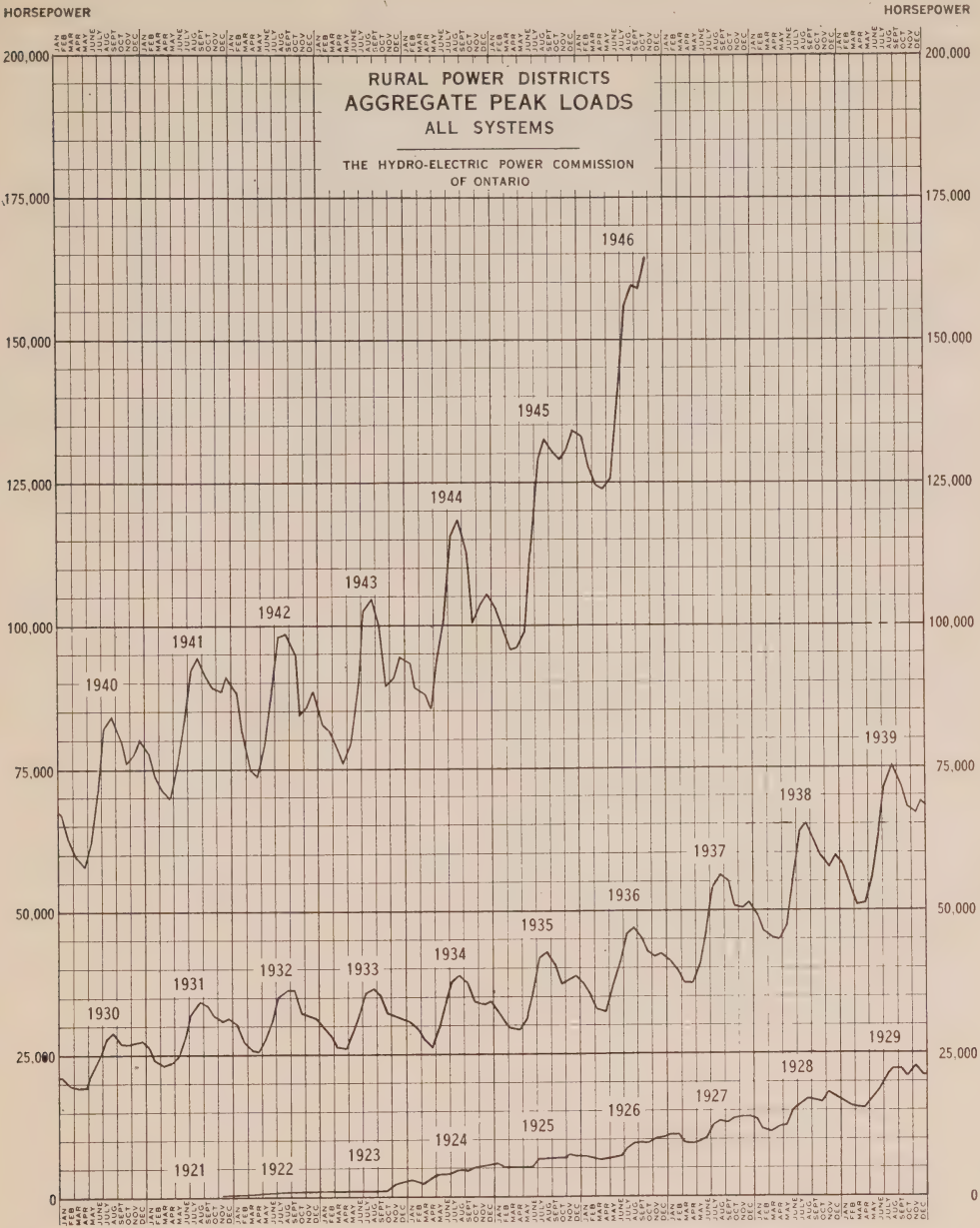
Having made this grant-in-aid the government further participates in the operation of the province-wide Hydro rural service in that it guarantees the Commission against loss due to the fixing of a maximum service charge or its reduction or removal.*

The new set-up is a means of apportioning the benefits from provincial assistance where they will do most good: namely, to the farmer in sparsely settled and less fertile farming areas where, because of these conditions, electrical service is necessarily more costly to provide.

Status of Rural Service in 1946

In 1946, 30 areas were amalgamated with other areas and rural service in Ontario is now given through 91 operating administrative units which, for convenience, continue to be referred to as rural operating areas. Power was delivered to approximately 177,605 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 433 organized

* The Rural Power District Service Charge Amendment Act, 1944.



townships; 22 unorganized townships and 123 police villages, villages and small towns and are served over a network of rural primary lines which aggregate 23,663 miles. In addition to the 455 townships served by rural operating areas, 10 townships are served jointly by rural operating areas and voted areas.

During 1946 the situation in regard to material required for construction of rural lines improved. The delivery of wood poles was greatly improved,

**RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING
THE YEAR 1946**

| System | Miles of primary line | Net increase in number of consumers | | | Power supplied in October 1946 | Capital approved for extensions | |
|----------------------------------|-----------------------|-------------------------------------|----------|--------|--------------------------------|---------------------------------|-------------------------|
| | | Farm | Non-farm | Total | | Total | Provincial grant-in-aid |
| | | | | | h.p. | \$ | \$ |
| SOUTHERN ONTARIO | | | | | | | |
| Niagara division.... | 465.61 | 3,365 | 5,477 | 8,842 | 113,099 | 2,555,480 | 1,277,740 |
| Georgian Bay div.... | 283.23 | 1,143 | 2,357 | 3,500 | 16,207 | 1,136,732 | 559,249 |
| Eastern Ontario div. | 484.26 | 1,923 | 2,664 | 4,587 | 30,769 | 1,913,314 | 956,657 |
| Southern Ont. totals.. | 1,233.10 | 6,431 | 10,498 | 16,929 | 160,075 | 5,605,526 | 2,793,646 |
| THUNDER BAY..... | 13.50 | 40 | 81 | 121 | 1,126 | 51,850 | 25,925 |
| NORTHERN ONTARIO PROPERTIES..... | 149.68 | 399 | 781 | 1,180 | 3,223 | 582,940 | 291,470 |
| Totals..... | 1,396.28 | 6,870 | 11,360 | 18,230 | 164,424 | 6,240,316 | 3,111,041 |

but materials such as conductors and line hardware were insufficient to permit the completion of more than sixty per cent of the primary extension programme originally proposed. Service connections were also delayed due to the non-delivery of suitable transformers having regard to the voltage and frequency employed in each area.

On October 31, 1946, there were enough rural applications for service on hand to warrant the construction of 4,559 miles of new primary line. In addition it is anticipated that further applications will be received during the year which will require 2,970 miles of primary line, making a total of 7,529 at the end of 1947. Our construction plans call for the building, in 1947, of about 1,500 miles of the above mileage, providing we can get the material for this programme as well as for a considerable programme of betterments to improve our service to existing consumers.

When it became necessary during the war to extend our lines to assist in production of food, material was so short that we had to use it for extensions and postpone improvements to service. It has now become necessary in many areas to increase the capacity of our lines before extending them further.

During the past year the mileage of rural-line extensions, approved for construction in rural operating areas in Ontario, was 1,396. The net increase in the number of consumers after allowance for cancellation and sale of lines in annexed territories to municipalities was 18,230. Whereas the primary line extensions approved or constructed were below the proposed programme, nevertheless the number of consumers that were added to existing lines was so great that the total consumers added was considerably higher than any previous number in any year since the commencement of rural power distribution.

SUMMARY OF RURAL LINE EXTENSIONS

Approved by the Commission from June 1, 1921 to October 31, 1946

Constructed or Under Construction

| System | Miles of primary line | Number of consumers | | | Capital approved for extensions | |
|----------------------------------|-----------------------|---------------------|----------|---------|---------------------------------|-------------------------|
| | | Farm | Non-farm | Total | Total | Provincial grant-in-aid |
| | | | | | \$ c. | \$ c. |
| SOUTHERN ONTARIO | | | | | | |
| Niagara division.... | 13,170.24 | 48,796 | 56,775 | 105,571 | 35,316,908.89 | 17,635,174.44 |
| Georgian Bay div.... | 3,858.92 | 8,750 | 18,130 | 26,880 | 9,232,993.95 | 4,514,716.49 |
| Eastern Ontario div. | 5,798.58 | 16,026 | 22,131 | 38,157 | 15,243,343.31 | 7,621,671.65 |
| Southern Ont. totals... | 22,827.74 | 73,572 | 97,036 | 170,608 | 59,793,246.15 | 29,771,562.58 |
| THUNDER BAY..... | 312.30 | 675 | 1,049 | 1,724 | 732,335.00 | 366,167.50 |
| NORTHERN ONTARIO PROPERTIES..... | 522.54 | 972 | 4,301 | 5,273 | 1,773,218.00 | 886,609.00 |
| Totals..... | 23,662.58* | 75,219 | 102,386 | 177,605 | 62,298,799.15 | 31,024,339.08 |

* These totals include 904.78 miles of primary line under construction on October 31, 1946 and service to 4,243 new consumers, not completed until after the end of the fiscal year.

During the year 233 rural consumers were annexed by urban municipalities and this group has been deducted from the total number of consumers.

The average aggregate peak load* supplied to all rural Hydro consumers, in rural areas in the Province, amounted to 139,818 horsepower, an increase of 26 per cent over 1945.

In previous years the maximum aggregate power sold in rural areas occurred during the summer months of July or August. During August 1946 the peak was 159,306 horsepower or 20 per cent higher than the previous summer peak. Had the usual conditions prevailed the power sold to consumers during the fall and winter should have been slightly lower than the preceding summer peak, however the use of rural power is increasing to such an extent that during the month of October a peak of 164,424 horsepower was established, and the winter peak reached 166,000 horsepower.

Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

Owing to the necessity to conserve funds for war purposes this financing was discontinued on October 31, 1940. Up to that time 1,776 loans had been granted, amounting to \$360,852. Details are as given in previous Annual Reports.

To October 31, 1946, 1,769 loans had been repaid in full, either through the maturing of the loan or by being paid in advance by the borrower.

* Average aggregate peak load is the summation of the twelve monthly peak loads for each and all rural operating areas divided by twelve.

| Class and minimum rating | Demand | Service charge per month | Energy consumption per month | | | Minimum bill (gross) per month |
|-------------------------------------|--------|--------------------------|------------------------------|------------------------|-------------------------|--------------------------------|
| | | | at 3.5 cents per kw-hr | at 1.6 cents per kw-hr | at 0.75 cents per kw-hr | |
| F3 | kw | cents | kw-hrs | kw-hrs | kw-hrs | \$ c. |
| H2 (2 wire) | 3 | Nil | 60 | 180 | Balance | 2.25 |
| H3 (3 wire) | 2 | 56 | 40 | 80 | Balance | 1.67 |
| | 3 | 56 | 40 | 180 | Balance | 2.25 |
| C2 | 2 | Nil | 60 | 120 | Balance | 1.50 |
| | | Annual fixed charge | Energy consumption per year | | | Minimum bill per year |
| | | | at 3.5 cents per kw-hr | at 1.6 cents per kw-hr | at 0.75 cents per kw-hr | |
| S2 | 2 | \$ c. 11.11 | kw-hrs 150 | kw-hrs 450 | kw-hrs Balance | \$ c. Annual fixed charge |
| Prompt payment discount—10 per cent | | | | | | |

For higher demands, above the minimum rating, add to the minimum rating set out above, for each additional kilowatt, the following:

RATE SCHEDULES FOR RURAL SERVICE

ADDITIONAL CHARGES AND CONSUMPTIONS FOR EXTRA DEMAND

| Class | Additional service charge per month per kw | Energy consumption per month per kw. | | | Addition to minimum bill (gross) per month per kw |
|-------------------------------------|--------------------------------------------|--------------------------------------|------------------------|-------------------------|---------------------------------------------------|
| | | at 3.5 cents per kw-hr | at 1.6 cents per kw-hr | at 0.75 cents per kw-hr | |
| F4, F5, etc. | Nil | kw-hrs | kw-hrs | kw-hrs | \$ c. |
| H4, H5, etc. | No increase | 20 | 60 | Balance | 0.75 |
| C3, C4, etc. | Nil | 20 | 60 | Balance | 0.75 |
| | | 30 | 60 | Balance | 0.75 |
| | Additional annual fixed charge | Energy consumption per year per kw. | | | Minimum bill per year |
| | | at 3.5 cents per kw-hr | at 1.6 cents per kw-hr | at 0.75 cents per kw-hr | |
| S3, S4, etc. | \$ c. | kw-hrs | kw-hrs | kw-hrs | \$ c. |
| | 3.33* | 75 | 225 | Balance | Annual fixed charge |
| Prompt payment discount—10 per cent | | | | | |

* Yearly minimum fixed charge for all summer classes above S2—\$15.56 (gross), or \$3.33 (gross), per kw of demand, whichever is the greater.

DESCRIPTION OF MAIN CLASSES OF HYDRO RURAL SERVICE

Beginning January 1, 1944 electrical service was supplied in rural operating areas under four main classes described below. When the class of service which will meet the requirements of the individual consumer has been chosen, contracts are executed between the consumer and the corporation of the township concerned.

Farm Service

Farm service shall be considered to be service to property having lands used for the production of food stuff or industrial crops for sale and from which a substantial livelihood is obtained. It shall include electrical service to all farm buildings and equipment situated on the farm and used for farm purposes, including buildings and equipment required for processing the products of the customer's farm.

Service under a single farm contract may be supplied to all dwellings or separate domestic establishments situated on the farm property and occupied by persons who are regularly engaged in the operation of the farm.

Additional dwellings or domestic establishments situated on a farm property and occupied by persons not regularly engaged in the operation of the farm, if served, shall be classed as hamlet contracts and rated accordingly. Small properties of five acres and less will be classed as hamlet services except under special circumstances which would justify a farm classification.

The minimum demand rating of a farm service for billing purposes shall be taken as three kilowatts.

Hamlet Service

Hamlet service shall be considered to be service to a domestic establishment or residence in a rural or in a small suburban community served as part of a rural operating area. This class shall include isolated rural residences.

The demand rating of a two-wire hamlet service will be taken as two kilowatts and will be limited by a 20-ampere breaker or a 30-ampere fuse. Where the hamlet service exceeds two kilowatts, three-wire service shall be supplied and the minimum demand rating for a three-wire service shall be three kilowatts.

Commercial Service

Commercial service shall be considered to be service to community or business premises including schools, churches, public halls, hospitals, hotels, public boarding houses, tourist camps, business and professional offices, stores, repair shops, garages, gasoline stations, blacksmith and woodworking shops, small manufacturing and processing plants, chick hatcheries, sign and display lighting and all other premises used for commercial or community purposes.

Single-phase power only will be supplied under a commercial contract. Where three-phase power is required, the service will be classed as an "Industrial power service."

The minimum demand rating of a commercial contract shall be two kilowatts for a two-wire service and three kilowatts for a three-wire service.

Summer Service

Summer service is applicable to properties where service is used normally only during the summer months and which are not established as the consumer's permanent residence. This service is not limited to cottages, but may include summer hotels, tourist camps, refreshment booths and other commercial premises.

The demand rating of a two-wire summer service will be taken as two kilowatts and will be limited to a maximum of a 20-ampere breaker or a 30-ampere fuse. Where the summer service exceeds two kilowatts, three-wire service shall be supplied and the minimum demand rating for a three-wire service shall be three kilowatts.

STANDARD NUMBER OF CONSUMERS PER MILE

The number of consumers required per mile of line extension varies according to classification and rating of all applicants. For this purpose a unit rating is allocated to each consumer, according to the classification and rating.

The following table shows the number of units and contracts per mile for each class of service:—

| Classification of consumer | Rating in kilowatts | Units per contract | Contracts per mile |
|----------------------------------------------|---------------------|--------------------|--------------------|
| Single Services | | | |
| Farm..... | 3 and over | 5 | 2 |
| Hamlet..... | 2 | 3 | 3.33 |
| Hamlet..... | 3 | 3 | 3.33 |
| Hamlet..... | 4 | 3 | 3.33 |
| Hamlet..... | 5 and over | 4 | 2.5 |
| Commercial..... | 2 | 3 | 3.33 |
| Commercial..... | 3 | 3 | 3.33 |
| Commercial..... | 4 | 3 | 3.33 |
| Commercial..... | 5 and over | 4 | 2.5 |
| Summer..... | 2 | 2 | 5 |
| Summer..... | 3 | 2 | 5 |
| Summer..... | 4 | 2 | 5 |
| Summer..... | 5 and over | 3 | 3.33 |
| Multiple Services | | | |
| Farm..... | 3 and over | 5 | 2 |
| Hamlet..... | 4 | 3 | 3.33 |
| Hamlet..... | 5 and over | 4 | 2.5 |
| Commercial..... | 4 | 3 | 3.33 |
| Commercial..... | 5 and over | 4 | 2.5 |
| Summer..... | 4 | 2 | 5 |
| Summer..... | 5 and over | 3 | 3.33 |
| Combination Services | | | |
| Total kilowatts of: | | | |
| Combined Farm with Hamlet or Commercial..... | 4 and over | 5 | 2 |
| Combined Hamlet with Commercial..... | up to 4 | 3 | 3.33 |
| Combined Hamlet with Commercial..... | 5 and over | 4 | 2.5 |



An attractive farm home in Ontario

**RATE SCHEDULES FOR INDUSTRIAL POWER SERVICE
SERVED THROUGH FACILITIES OF RURAL OPERATING AREAS**

As a result of studies made during 1945, the following schedule of rates for industrial power service was placed in effect on January 1, 1946.

Industrial Power Service

Power service shall cover three-phase service to power users such as creameries, cheese factories, chopping mills, industries and special loads which cannot be supplied as Commercial single-phase service.

**INDUSTRIAL POWER SERVICE—RATES TO CONSUMERS
SERVED THROUGH FACILITIES OF RURAL OPERATING AREAS**

| Control office location | Rural operating areas | Basis of rate, 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs per month per kw-hr | Second 50 hrs per month per kw-hr | All additional per kw-hr | Local discount | Prompt payment discount |
|-------------------------|-----------------------|-------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|----------------|-------------------------|
|-------------------------|-----------------------|-------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|----------------|-------------------------|

**Southern Ontario System—
Niagara Division**

| | | \$ c. | \$ c. | cents | cents | cents | % | % |
|-----------------|----------------|-------|-------|-------|-------|-------|-------|----|
| Aylmer..... | Aylmer..... | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 |
| Beamsville.... | Beamsville.... | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |
| Blenheim..... | Blenheim..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Bothwell..... | Bothwell..... | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | 10 |
| Brampton..... | Brampton..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Brantford.... | Brantford.... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Burlington.... | Burlington.... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Cayuga..... | Cayuga..... | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | 10 |
| Chatham..... | Chatham..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Clinton..... | Clinton..... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |
| Delaware..... | Delaware..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Dorchester.... | Dorchester.... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Dundas..... | Dundas..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Elmira..... | Elmira..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Essex..... | Essex..... | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 |
| Exeter..... | Exeter..... | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | 10 |
| Forest..... | Forest..... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |
| Guelph..... | Guelph..... | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |
| Harrow..... | Harrow..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Ingersoll.... | Ingersoll.... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Kingsville.... | Kingsville.... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Kitchener.... | Kitchener.... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Listowel..... | Listowel..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| London..... | London..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Lucan..... | Lucan..... | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | 10 |
| Markham.... | Markham.... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Merlin..... | Merlin..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Mitchell..... | Mitchell..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| St. Catharines. | Niagara..... | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | 10 | 10 |
| Norwich..... | Norwich..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |

INDUSTRIAL POWER SERVICE—RATES TO CONSUMERS
SERVED THROUGH FACILITIES OF RURAL OPERATING AREAS

| Control office location | Rural operating areas | Basis of rate, 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs per month per kw-hr | Second 50 hrs per month per kw-hr | All additional per kw-hr | Local discount | Prompt payment discount |
|-------------------------|-----------------------|-------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|----------------|-------------------------|
|-------------------------|-----------------------|-------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|----------------|-------------------------|

Niagara Division—Continued

| | | \$ c. | \$ c. | cents | cents | cents | % | % |
|----------------|-----------------------|-------|-------|-------|-------|-------|-------|----|
| Oil Springs... | Oil Springs... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |
| Richmond Hill | Rich'd Hill... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Ridgetown... | Ridgetown... | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | 10 |
| St. Thomas... | St. Thomas... | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 |
| Stoney Creek | Saltfleet.... | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | 10 | 10 |
| | Caledonia Section.... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Sarnia..... | Sarnia..... | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | 10 |
| Simcoe..... | Simcoe..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Stratford.... | Stratford.... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Sutton..... | Sutton..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Tillsonburg.. | Tillsonburg.. | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Wallaceburg.. | Wallaceburg.. | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 |
| Welland.... | Welland.... | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | 10 | 10 |
| West Lorne... | West Lorne... | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | 10 |
| Windsor..... | Windsor..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Woodbridge... | Woodbridge... | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 |
| Woodstock... | Woodstock... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |

Southern Ontario System—

Georgian Bay Division

| | | \$ c. | \$ c. | cents | cents | cents | % | % |
|----------------|---------------|-------|-------|-------|-------|-------|-------|----|
| Bala..... | Bala..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Barrie..... | Barrie..... | 30.00 | 1.00 | 2.8 | 1.8 | 1.33 | ..... | 10 |
| Bracebridge.. | Bracebridge.. | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | 10 |
| Cannington... | Cannington... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |
| Orillia..... | Hawkestone.. | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |
| Huntsville... | Huntsville... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Penetang.... | Midland.... | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 |
| Orangeville... | Orangeville.. | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | 10 |
| Owen Sound... | Owen Sound... | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | 10 |
| Shelburne... | Shelburne... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |
| Stayner..... | Stayner..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Uxbridge..... | Uxbridge..... | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | 10 |
| Walkerton... | Walkerton... | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | 10 |
| Wingham..... | Wingham..... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |

**INDUSTRIAL POWER SERVICE—RATES TO CONSUMERS
SERVED THROUGH FACILITIES OF RURAL OPERATING AREAS**

| Control office location | Rural operating areas | Basis of rate, 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs per month per kw-hr | Second 50 hrs per month per kw-hr | All additional per kw-hr | Local discount | Prompt payment discount |
|-------------------------|-----------------------|-------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|----------------|-------------------------|
|-------------------------|-----------------------|-------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|----------------|-------------------------|

**Southern Ontario System—
Eastern Ontario Division**

| | | \$ c. | \$ c. | cents | cents | cents | % | % |
|-----------------|-----------------|-------|-------|-------|-------|-------|-------|----|
| Arnprior..... | Arnprior..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| | Renfrew..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Belleville..... | Belleville..... | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |
| Bowmanville... | Bowmanville... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Brockville..... | Brockville..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Carleton Place | Carleton Pl.. | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |
| Cobourg..... | Cobourg..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Delta..... | Delta..... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |
| Fenelon Falls.. | Fenelon Falls | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Frankford..... | Frankford..... | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | 10 | 10 |
| | Brighton..... | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | 10 | 10 |
| Kingston..... | Kingston..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Lancaster..... | Martintown.. | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | 10 |
| Millbrook..... | Millbrook... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Minden..... | Minden..... | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | 10 |
| Napanee..... | Napanee..... | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |
| Norwood..... | Norwood..... | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | 10 |
| Oshawa..... | Oshawa..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Ottawa..... | Ottawa..... | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | 10 | 10 |
| Peterborough.. | Peterborough | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | 10 | 10 |
| | Lakefield..... | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | 10 |
| Picton..... | Picton..... | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | 10 |
| Tweed..... | Tweed..... | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | 10 |
| Winchester... | Winchester... | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | 10 |

Thunder Bay System

| Thunder Bay. | Thunder Bay | \$ c. | \$ c. | cents | cents | cents | % | % |
|--------------|-------------|-------|-------|-------|-------|-------|----|----|
| | | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | 10 | 10 |

Northern Ontario Properties

| | | \$ c. | \$ c. | cents | cents | cents | % | % |
|--------------|--------------|-------|-------|-------|-------|-------|-------|----|
| Matheson.... | Connaught.. | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | 10 |
| Kagawong.... | Manitoulin.. | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | 10 |
| North Bay... | North Bay... | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | 10 |
| Sudbury..... | Sudbury..... | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | 10 |



RURAL ELECTRICAL SERVICE IN ONTARIO

Hydro service enables Ontario farmers to attain a high standard of living

FARM USES FOR ELECTRICITY

The use made of electrical service by farmers divides itself broadly into applications which provide a higher standard of living in the farm home, and applications which add to the productive capacity of a farm. Some applications, for example, lighting and water pumping, do both.

Farming is a productive industry and the ability of electrical service to provide light, heat and power in a wide range of intensities free from the hazards associated with oil or other fuel and the ease with which electricity may be controlled, permit applications to farm production problems not feasible with any other source of power.

These applications result in savings in labour, increased production, improved quality, prevention of waste, reduced costs and substantial increases in earnings.

To the farm home electricity can bring the same conveniences as are enjoyed by urban residents. It eliminates the drudgery of many household tasks, improves health and comfort and, through the radio, furnishes entertainment, news, discussions of current topics and market reports, all of which bring greater contentment in the rural way of life.

In building up his electrical equipment to receive the maximum benefit from Hydro rural service, the farmer should keep a nice balance between appliances for use in the home and appliances which will add to the productive capacity of his farm. It is especially desirable that following the installation of lighting service in the home and outbuildings his early concern should be to purchase equipment which will result in cash returns.

Lighting Service

Electric lighting is safe, convenient and reduces the fire hazard to a minimum. It adds comfort and attractiveness to the farm home. In the barn and other buildings it saves time and prevents accidents while doing chores.

In productive operations it is used in the poultry laying house to supplement daylight during the winter months, thus increasing egg production during a period when prices are highest.

In floriculture lighting may be used to promote or retard the flowering of certain flowering plants in order to meet the demand of special occasions.

Special applications of lighting include insect traps, infra-red lamps for brooders and ultra-violet lamps to improve the health of poultry and other stock.

Heating Service

The safety and ease of control of electricity as a source of heating has found many applications. In the home it makes possible many of the familiar appliances, such as irons, toasters, hot plates, electric ranges and water heaters, all of which add to the comfort and convenience of the home. The ease of automatic control of electric heat has found application in incubators and poultry brooders, where accurate control of temperature is necessary.

Water heaters and dairy sterilizing equipment assist in maintaining a high quality of milk production. Small capacity heaters are used to maintain drinking water at suitable temperature for poultry, with resultant increases in egg production during the winter months. Electric heat also finds application in brooders for pigs and lambs, preventing loss of these animals during cold weather and effecting very substantial savings and increased earnings.

In horticulture electric soil heating is used for the early germination and propagation of seeds and plants and their protection against frost.

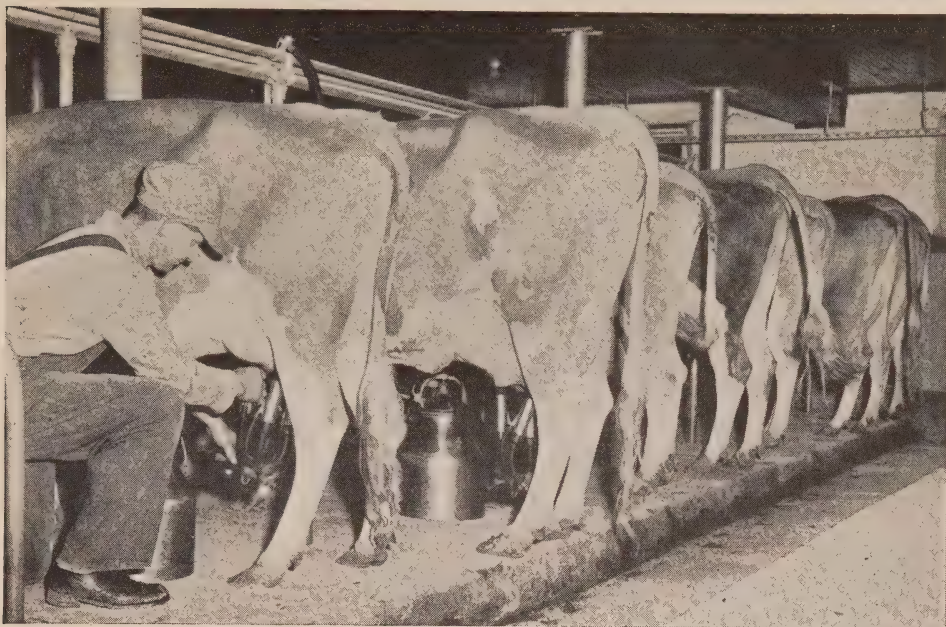
Power for Electric Motors

Electric motors find many uses in replacing manual effort. A quarter-horsepower motor can operate any machine that can be operated by hand, thus effecting savings in time and effort.

In the home motors make possible washing machines, ironing machines, vacuum cleaners, fans, furnace blowers, water pumps and refrigerators and the new cold storage home locker for the preservation and storage of perishable foods in quantity. Thus, motors contribute towards making the farm home equal in comfort and convenience to the urban home.

In farming operations electric motors are used for grinding grain and the operation of feed mixers, effecting substantial cash savings. They are also used for pumping water for stock and the operation of milking machines, cream separators and milk coolers. These result in very substantial savings in labor, and increases in production, and permit the handling of larger herds, effecting increases in farm earnings.

Portable utility motors of various sizes find many applications, such as wood cutting, hoisting hay, elevating grain, seed cleaning and, in the workshop, motor-driven grinders and other equipment provide facilities for maintaining farm equipment in repair and facilitate the construction of various pieces of useful equipment in connection with farming operations.



RURAL ELECTRICAL SERVICE IN ONTARIO

Electric milking machines ensure cleaner milk and save greatly on labour

Estimates of the major electrical appliances used in rural operating areas are set out in the following table:

NOTE: Due to war conditions no survey has been made since 1942 as the sale of appliances was considerably curtailed.

ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN RURAL OPERATING AREAS

Data for all systems for the year 1942

| On the farm | | | In the farm home | | |
|--------------------------|----------------------|--------------------------|--------------------------|----------------------|--------------------------|
| Item | Number of appliances | Percentage of saturation | Item | Number of appliances | Percentage of saturation |
| Motor..... | 11,240 | 18.0 | Range..... | 11,688 | 18.7 |
| Pump..... | 10,186 | 16.3 | Hot Plates..... | 14,921 | 23.9 |
| Grain grinders..... | 4,293 | 6.9 | Washers..... | 40,014 | 64.2 |
| Milking Machine..... | 3,920 | 6.3 | Vacuum cleaners..... | 10,651 | 17.1 |
| Milk cooler..... | 1,517 | 2.4 | Water heaters, flat rate | 2,739 | 4.4 |
| Cream separator..... | 5,302 | 8.5 | Water heaters, metered | 1,481 | 2.4 |
| Churn..... | 656 | 1.1 | Grates..... | 539 | 0.9 |
| Incubator..... | 828 | 1.3 | Portable air heaters.... | 4,970 | 7.9 |
| Brooder..... | 1,550 | 2.5 | Ironers..... | 938 | 1.5 |
| Hot Bed..... | 56 | 0.1 | Hand Irons..... | 50,314 | 80.7 |
| Water heater, flat rate. | 181 | 0.3 | Refrigerators..... | 10,913 | 17.5 |
| Water heater metered,.. | 113 | 0.2 | Toasters..... | 35,465 | 56.9 |
| Miscellaneous..... | 861 | 1.4 | Radios..... | 49,747 | 79.8 |
| | | | Furnace blowers..... | 1,393 | 2.2 |
| | | | Pumps..... | 10,480 | 16.8 |
| | | | Miscellaneous..... | 2,276 | 3.6 |

The following table makes comparison between rural and urban use:—

ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL CONSUMERS—1942

| Electrical appliances | Rural operating area | | | | Urban | |
|---------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|
| | Hamlet | | Farm | | | |
| | Number of appliances | Percentage of saturation | Number of appliances | Percentage of saturation | Number of appliances | Percentage of saturation |
| Ranges..... | 7,243 | 13.4 | 11,688 | 18.7 | 166,498 | 29.7 |
| Hot Plate..... | 13,524 | 25.0 | 14,921 | 23.9 | 91,260 | 16.3 |
| Washer..... | 28,270 | 52.2 | 40,014 | 64.2 | 359,428 | 64.0 |
| Vacuum cleaner..... | 9,730 | 18.0 | 10,651 | 17.1 | 270,067 | 48.1 |
| Water heater, flat rate.. | 2,408 | 4.4 | 2,739 | 4.4 | 75,241 | 13.4 |
| Water heater, metered.. | 1,303 | 2.4 | 1,481 | 2.4 | 75,321 | 13.4 |
| Grate..... | 420 | 0.8 | 539 | 0.9 | 50,619 | 9.0 |
| Air heater..... | 3,992 | 7.4 | 4,970 | 7.9 | 62,383 | 11.1 |
| Ironers..... | 914 | 1.7 | 938 | 1.5 | 19,685 | 3.5 |
| Irons..... | 41,751 | 77.0 | 50,314 | 80.7 | 561,912 | 100.1 |
| Refrigerators..... | 10,184 | 18.8 | 10,913 | 17.5 | 218,922 | 39.0 |
| Toasters..... | 29,240 | 53.9 | 35,465 | 56.9 | 439,971 | 78.4 |
| Radio..... | 42,033 | 77.5 | 49,747 | 79.8 | 577,309 | 102.8 |
| Furnace blower..... | 1,629 | 2.3 | 1,393 | 2.2 | 62,338 | 11.1 |
| Grills..... | | | | | 126,650 | 22.6 |
| Pump..... | 7,112 | 13.1 | 10,480 | 16.8 | | |
| Air-conditioner..... | | | | | 10,202 | 1.8 |
| Miscellaneous..... | 2,532 | 4.7 | 2,276 | 3.6 | | |

RURAL SERVICE STATISTICS 1944 AND 1945

| Service | Year | Annual revenue | Kilowatt-hours consumed | Number of consumers billed* | Average revenue per kw-hr. | Average monthly bill | Average monthly consumption. kw-hr.† |
|---------------------|------|----------------|-------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|
| | | \$ c. | | | cents | \$ c. | |
| Farm service..... | 1944 | 2,396,508.94 | 113,706,660 | 59,639 | 2.11 | 3.53 | 167 |
| | 1945 | 2,606,431.15 | 137,194,727 | 65,141 | 1.90 | 3.48 | 183 |
| Hamlet service..... | 1944 | 1,937,102.28 | 82,106,734 | 56,130 | 2.36 | 2.95 | 125 |
| | 1945 | 2,027,283.82 | 92,056,781 | 58,867 | 2.20 | 2.93 | 133 |
| Commercial service. | 1944 | 341,646.50 | 15,010,213 | 8,262 | 2.28 | 3.51 | 154 |
| | 1945 | 381,570.09 | 18,915,619 | 8,870 | 2.02 | 3.72 | 184 |
| Summer service.... | 1944 | 435,622.43 | 11,859,662 | 19,291 | 3.67 | 1.93 | 53 |
| | 1945 | 473,887.53 | 14,250,142 | 20,947 | 3.33 | 1.96 | 59 |

*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, but do not include power or special contracts, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

1944 estimated—due to reclassification during the year.

HAMLET AND HOUSE LIGHTING SERVICE

Classified as 1B, 1C and 2A from 1928 to 1943

| | Annual revenue | Kilowatt- hours consumed | Number of consumers billed* | Average revenue per kw-hr. | Average monthly bill | Average monthly consump- tion. kw-hr. |
|------|-------------------|--------------------------------|-----------------------------------|----------------------------------|----------------------------|---------------------------------------------------|
| | \$ c. | | | cents | \$ c. | |
| 1928 | 530,407.00 | 10,702,031 | 17,585 | 4.95 | 2.51 | 50.7 |
| 1929 | 663,311.00 | 14,424,770 | 21,219 | 4.60 | 2.85 | 62.0 |
| 1930 | 757,558.00 | 17,815,987 | 25,013 | 4.25 | 2.73 | 64.2 |
| 1931 | 974,224.17 | 22,127,474 | 31,176 | 4.40 | 2.88 | 65.6 |
| 1932 | 1,075,081.03 | 24,654,386 | 33,368 | 4.36 | 2.76 | 63.3 |
| 1933 | 1,133,368.70 | 25,410,470 | 35,941 | 4.46 | 2.70 | 60.1 |
| 1934 | 1,149,876.67 | 27,768,460 | 37,466 | 4.14 | 2.61 | 63.0 |
| 1935 | 1,171,873.28 | 30,802,290 | 39,751 | 3.80 | 2.53 | 66.5 |
| 1936 | 1,239,010.83 | 35,666,241 | 43,014 | 3.47 | 2.49 | 71.8 |
| 1937 | 1,331,919.46 | 40,935,040 | 46,785 | 3.25 | 2.47 | 76.0 |
| 1938 | 1,439,681.39 | 47,612,820 | 52,514 | 3.02 | 2.42 | 79.9 |
| 1939 | 1,649,496.29 | 54,787,544 | 58,328 | 3.01 | 2.36 | 78.3 |
| 1940 | 1,812,550.53 | 60,839,240 | 62,973 | 2.98 | 2.40 | 80.5 |
| 1941 | 1,995,468.46 | 67,587,082 | 67,939 | 2.95 | 2.45 | 82.9 |
| 1942 | 2,118,911.57 | 72,613,472 | 69,766 | 2.92 | 2.56 | 87.9 |
| 1943 | 2,170,221.41 | 73,980,871 | 70,919 | 2.93 | 2.57 | 87.6 |

FARM SERVICE

Classified as 2B, 3, 4, 5, 6A, 6B, 7A and 7B

from 1928 to 1943

| Year | Annual revenue | Kilowatt- hours consumed | Number of consumers billed* | Average revenue per kw-hr. | Average monthly bill | Average monthly consump- tion. kw-hr. |
|------|-------------------|--------------------------------|-----------------------------------|----------------------------------|----------------------------|---------------------------------------------------|
| | \$ c. | | | cents | \$ c. | |
| 1928 | 569,007.00 | 10,969,828 | 9,309 | 5.18 | 4.97 | 96 |
| 1929 | 777,736.00 | 16,022,842 | 12,605 | 4.85 | 5.85 | 121 |
| 1930 | 863,805.00 | 20,507,063 | 16,011 | 4.21 | 5.03 | 119 |
| 1931 | 1,128,554.28 | 25,716,141 | 20,796 | 4.39 | 5.11 | 116 |
| 1932 | 1,255,482.13 | 28,675,400 | 22,432 | 4.38 | 4.84 | 110 |
| 1933 | 1,309,122.96 | 30,062,194 | 23,283 | 4.35 | 4.75 | 109 |
| 1934 | 1,319,922.69 | 33,312,314 | 23,882 | 3.96 | 4.66 | 118 |
| 1935 | 1,343,222.39 | 37,667,453 | 25,357 | 3.57 | 4.55 | 128 |
| 1936 | 1,385,784.39 | 45,447,669 | 28,198 | 3.05 | 4.31 | 141 |
| 1937 | 1,366,484.50 | 54,858,240 | 35,508 | 2.49† | 3.57 | 144† |
| 1938 | 1,711,788.81 | 67,886,882 | 44,565 | 2.52† | 3.56 | 141† |
| 1939 | 2,090,259.14 | 81,613,087 | 53,240 | 2.56† | 3.56 | 139† |
| 1940 | 2,405,092.40 | 93,859,719 | 58,728 | 2.56† | 3.41 | 133† |
| 1941 | 2,690,250.37 | 107,061,610 | 63,304 | 2.51 | 3.54 | 141 |
| 1942 | 2,870,300.31 | 116,448,363 | 63,748 | 2.46 | 3.75 | 152 |
| 1943 | 2,934,011.31 | 121,428,714 | 64,292 | 2.42 | 3.81 | 158 |

* See footnote to table on previous page.

† In the period 1937 to 1940, there was an increase in the statistical average revenue per kilowatt-hour and a decrease in the statistical average monthly consumption per consumer. Actually there was a great increase in the use of electricity by nearly all individual Hydro consumers and a corresponding decrease to each consumer in the average cost per kilowatt-hour. But due to the tremendous growth at this time in new consumers, who for the first few years are not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new consumers when averaged with the increased use of the older consumers produced per consumer averages which obscured the true trends of individual growth in use, and, individual reductions in costs.

RURAL OPERATING AREAS

MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1946

| Control office location | Rural operating area | Miles of line | Number of consumers | | | | | |
|----------------------------------------------|-------------------------|---------------|---------------------|---------|-------------|---------|-------|---------|
| | | | Farm | Ham-let | Com-mercial | Sum-mer | Power | Total |
| Southern Ontario System— Niagara Division | | | | | | | | |
| Aylmer | Aylmer | 303.49 | 1,286 | 622 | 150 | 113 | 3 | 2,174 |
| Beamsville | Beamsville | 277.61 | 1,577 | 758 | 145 | 147 | 18 | 2,645 |
| Blenheim | Blenheim | 121.47 | 524 | 199 | 42 | 83 | 4 | 852 |
| Bothwell | Bothwell | 289.33 | 905 | 201 | 101 | ..... | 15 | 1,222 |
| Brampton | Brampton | 358.70 | 1,161 | 607 | 96 | 123 | 12 | 1,999 |
| Brantford | Brantford | 505.77 | 2,104 | 857 | 159 | 13 | 11 | 3,144 |
| Burlington | Burlington | 100.37 | 505 | 1,188 | 78 | 33 | 28 | 1,832 |
| Cayuga | Cayuga | 352.19 | 1,174 | 580 | 167 | 304 | 18 | 2,243 |
| Chatham | Chatham | 255.25 | 1,082 | 774 | 113 | ..... | 16 | 1,985 |
| Clinton | Clinton | 380.91 | 1,125 | 548 | 153 | 246 | 3 | 2,075 |
| Delaware | Delaware | 415.48 | 1,409 | 404 | 152 | ..... | 5 | 1,970 |
| Dorchester | Dorchester | 179.06 | 732 | 276 | 78 | 3 | 11 | 1,100 |
| Dundas | Dundas | 292.35 | 1,192 | 794 | 119 | ..... | 7 | 2,112 |
| Elmira | Elmira | 303.97 | 779 | 633 | 110 | 15 | 16 | 1,553 |
| Essex | Essex | 254.42 | 1,209 | 538 | 85 | 337 | 8 | 2,177 |
| Exeter | Exeter | 176.98 | 606 | 333 | 89 | 517 | 7 | 1,552 |
| Forest | Forest | 256.02 | 863 | 96 | 51 | 281 | 7 | 1,298 |
| Guelph | Guelph | 368.58 | 1,118 | 728 | 120 | 94 | 11 | 2,071 |
| Harrow | Harrow | 210.07 | 1,016 | 415 | 68 | 888 | 4 | 2,391 |
| Ingersoll | Ingersoll | 274.97 | 893 | 237 | 55 | 1 | 4 | 1,190 |
| Kingsville | Kingsville | 214.66 | 1,378 | 483 | 97 | 871 | 8 | 2,837 |
| Kitchener | Kitchener | 441.93 | 1,450 | 1,886 | 199 | 148 | 39 | 3,722 |
| Listowel | Listowel | 373.89 | 1,212 | 425 | 126 | 1 | 5 | 1,769 |
| London | London | 259.76 | 951 | 2,650 | 160 | 4 | 12 | 3,777 |
| Lucan | Lucan | 215.63 | 621 | 86 | 64 | ..... | ..... | 771 |
| Markham | Markham | 324.30 | 1,277 | 1,898 | 157 | 739 | 21 | 4,092 |
| Merlin | Merlin | 313.04 | 1,171 | 260 | 109 | 130 | 8 | 1,678 |
| Mitchell | Mitchell | 423.76 | 1,477 | 474 | 140 | ..... | 10 | 2,101 |
| St. Catharines | Niagara | 224.15 | 1,323 | 1,811 | 149 | 149 | 22 | 3,454 |
| Norwich | Norwich | 187.79 | 841 | 185 | 50 | ..... | 7 | 1,083 |
| Oil Springs | Oil Springs | 226.84 | 714 | 140 | 84 | 1 | 4 | 943 |
| Richmond Hill | Richmond Hill | 249.53 | 888 | 2,016 | 158 | 273 | 27 | 3,362 |
| Ridgetown | Ridgetown | 151.36 | 518 | 181 | 44 | 361 | 3 | 1,107 |
| St. Thomas | St. Thomas | 261.02 | 986 | 916 | 118 | 7 | 4 | 2,031 |
| Stoney Creek | Saltfleet | 355.92 | 1,274 | 3,074 | 221 | 275 | 34 | 4,878 |
| Sarnia | Sarnia | 250.27 | 872 | 1,707 | 134 | 616 | 7 | 3,336 |
| Simcoe | Simcoe | 646.07 | 2,506 | 1,159 | 232 | 619 | 9 | 4,525 |
| Stratford | Stratford | 266.39 | 972 | 342 | 88 | ..... | 4 | 1,406 |
| Sutton | Sutton | 220.63 | 495 | 696 | 89 | 1,452 | 13 | 2,745 |
| Tillsonburg | Tillsonburg | 228.70 | 939 | 473 | 95 | 1 | 13 | 1,521 |
| Wallaceburg | Wallaceburg | 329.19 | 1,190 | 431 | 125 | 89 | 8 | 1,843 |
| Welland | Welland | 437.66 | 1,526 | 3,237 | 253 | 825 | 46 | 5,887 |
| West Lorne | West Lorne | 170.58 | 479 | 123 | 45 | 12 | 1 | 660 |
| Windsor | Windsor | 187.00 | 694 | 3,935 | 201 | ..... | 20 | 4,850 |
| Woodbridge | Woodbridge | 324.51 | 987 | 1,046 | 149 | 104 | 24 | 2,310 |
| Woodstock | Woodstock | 208.67 | 795 | 406 | 89 | 2 | 6 | 1,298 |
| Total Niagara | division | 13,170.24 | 48,796 | 40,828 | 5,507 | 9,877 | 563 | 105,571 |



RURAL OPERATING AREAS

MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1946

| Control office location | Rural operating area | Miles of line | Number of consumers | | | | | |
|---------------------------------------------------|----------------------|---------------|---------------------|--------|------------|--------|-------|--------|
| | | | Farm | Hamlet | Commercial | Summer | Power | Total |
| Southern Ontario System— Georgian Bay Division | | | | | | | | |
| Bala..... | Bala..... | 121.10 | 50 | 225 | 41 | 540 | 1 | 857 |
| Barrie..... | Barrie..... | 492.97 | 1,390 | 1,042 | 194 | 1,893 | 3 | 4,522 |
| Bracebridge..... | Bracebridge..... | 260.25 | 374 | 390 | 78 | 934 | 4 | 1,780 |
| Cannington..... | Cannington..... | 188.17 | 371 | 250 | 70 | 660 | 2 | 1,353 |
| Orillia..... | Hawkestone..... | 218.39 | 346 | 443 | 70 | 926 | 8 | 1,793 |
| Huntsville..... | Huntsville..... | 147.61 | 143 | 573 | 108 | 299 | 6 | 1,129 |
| Penetang..... | Midland..... | 240.50 | 528 | 324 | 61 | 1,293 | ..... | 2,206 |
| Orangeville..... | Orangeville..... | 233.03 | 608 | 581 | 147 | 103 | 6 | 1,445 |
| Owen Sound..... | Owen Sound..... | 476.65 | 1,064 | 860 | 211 | 548 | 3 | 2,686 |
| Shelburne..... | Shelburne..... | 204.19 | 484 | 231 | 51 | 7 | ..... | 773 |
| Stayner..... | Stayner..... | 213.41 | 562 | 360 | 76 | 1,756 | 2 | 2,756 |
| Uxbridge..... | Uxbridge..... | 304.77 | 753 | 634 | 122 | 467 | 3 | 1,979 |
| Walkerton..... | Walkerton..... | 405.44 | 1,134 | 458 | 161 | 151 | 2 | 1,906 |
| Wingham..... | Wingham..... | 352.44 | 943 | 428 | 145 | 176 | 3 | 1,695 |
| Total Georgian Bay division..... | | 3,858.92 | 8,750 | 6,799 | 1,535 | 9,753 | 43 | 26,880 |

**Southern Ontario System—
Eastern Ontario Division**

| | | | | | | | | |
|-------------------------------------|---------------------|----------|--------|--------|-------|-------|-------|--------|
| Arnprior..... | Arnprior..... | 102.43 | 230 | 534 | 118 | 72 | 11 | 965 |
| | Renfrew..... | 136.83 | 264 | 524 | 103 | 47 | 6 | 944 |
| Belleville..... | Belleville..... | 177.49 | 583 | 849 | 99 | 13 | 6 | 1,550 |
| Bowmanville..... | Bowmanville..... | 179.53 | 465 | 342 | 52 | 29 | 3 | 891 |
| Brockville..... | Brockville..... | 366.00 | 1,077 | 871 | 237 | 278 | 7 | 2,470 |
| Carleton Place..... | Carleton Place..... | 90.36 | 195 | 57 | 29 | 32 | 1 | 314 |
| Cobourg..... | Cobourg..... | 345.93 | 877 | 643 | 140 | 322 | 2 | 1,984 |
| Delta..... | Delta..... | 340.02 | 831 | 551 | 167 | 282 | 5 | 1,836 |
| Fenelon Falls..... | Fenelon Falls..... | 268.88 | 481 | 246 | 86 | 913 | 4 | 1,730 |
| Frankford..... | Frankford..... | 280.38 | 826 | 517 | 98 | 84 | 4 | 1,529 |
| | Brighton..... | 61.88 | 193 | 80 | 18 | 1 | 1 | 293 |
| Kingston..... | Kingston..... | 357.81 | 985 | 1,004 | 240 | 282 | 8 | 2,519 |
| Lancaster..... | Martintown..... | 502.75 | 1,387 | 1,000 | 233 | 79 | 2 | 2,701 |
| Millbrook..... | Millbrook..... | 85.92 | 225 | 150 | 32 | 4 | ..... | 411 |
| Minden..... | Minden..... | 112.54 | 134 | 490 | 102 | 274 | 1 | 1,001 |
| Napanee..... | Napanee..... | 333.83 | 1,038 | 604 | 163 | 87 | 6 | 1,898 |
| Norwood..... | Norwood..... | 74.56 | 201 | 115 | 18 | 133 | 3 | 470 |
| Oshawa..... | Oshawa..... | 256.35 | 774 | 2,774 | 178 | 257 | 11 | 3,994 |
| Ottawa..... | Ottawa..... | 377.25 | 1,265 | 1,100 | 249 | 92 | 25 | 2,731 |
| Peterborough..... | Peterborough..... | 160.46 | 408 | 589 | 69 | 267 | 6 | 1,339 |
| | Lakefield..... | 130.88 | 164 | 214 | 51 | 296 | 2 | 727 |
| Picton..... | Picton..... | 332.10 | 1,162 | 547 | 132 | 210 | 3 | 2,054 |
| Tweed..... | Tweed..... | 206.60 | 412 | 317 | 77 | 138 | 1 | 945 |
| Winchester..... | Winchester..... | 517.80 | 1,849 | 750 | 239 | 17 | 6 | 2,861 |
| Total Eastern Ontario division..... | | 5,798.58 | 16,026 | 14,868 | 2,930 | 4,209 | 124 | 38,157 |

RURAL OPERATING AREAS

MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1946

| Control office location | Rural operating area | Miles of line | Number of consumers | | | | | |
|-------------------------|----------------------|---------------|---------------------|---------|-------------|---------|-------|-------|
| | | | Farm | Ham-let | Com-mercial | Sum-mer | Power | Total |

Thunder Bay System

| | | | | | | | | |
|------------------|------------------|--------|-----|-----|----|-----|----|-------|
| Port Arthur..... | Thunder Bay..... | 312.30 | 675 | 754 | 84 | 199 | 12 | 1,724 |
|------------------|------------------|--------|-----|-----|----|-----|----|-------|

Northern Ontario Properties

| | | | | | | | | |
|------------------------------------|-------------------|--------|-----|-------|-----|-------|----|-------|
| Matheson..... | Connaught..... | 89.00 | 176 | 185 | 38 | 8 | 3 | 410 |
| Kagawong..... | Manitoulin..... | 167.36 | 251 | 640 | 207 | 91 | 7 | 1,196 |
| North Bay..... | North Bay..... | 108.16 | 200 | 691 | 62 | 328 | 6 | 1,287 |
| Fort Frances..... | *Rainy River..... | 61.50 | 95 | 121 | 34 | ..... | 2 | 252 |
| Sudbury..... | Sudbury..... | 96.52 | 250 | 1,646 | 82 | 145 | 5 | 2,128 |
| Total Northern Ontario Properties. | | 522.54 | 972 | 3,283 | 423 | 572 | 23 | 5,273 |

* All lines under construction—no service given during 1946.

SUMMARY

| System | Miles of line | Number of consumers | | | | | |
|----------------------------------|---------------|---------------------|---------|-------------|---------|-------|---------|
| | | Farm | Ham-let | Com-mercial | Sum-mer | Power | Total |
| Southern Ontario | | | | | | | |
| Niagara division..... | 13,170.24 | 48,796 | 40,828 | 5,507 | 9,877 | 563 | 105,571 |
| Georgian Bay division..... | 3,858.92 | 8,750 | 6,799 | 1,535 | 9,753 | 43 | 26,880 |
| Eastern Ontario division..... | 5,798.58 | 16,026 | 14,868 | 2,930 | 4,209 | 124 | 38,157 |
| Southern Ontario totals..... | 22,827.74 | 73,572 | 62,495 | 9,972 | 23,839 | 730 | 170,608 |
| Thunder Bay..... | 312.30 | 675 | 754 | 84 | 199 | 12 | 1,724 |
| Northern Ontario Properties..... | 522.54 | 972 | 3,283 | 423 | 572 | 23 | 5,273 |
| Total all systems.....* | 23,662.58 | 75,219 | 66,532 | 10,479 | 24,610 | 765 | 177,605 |

* These totals include 904.78 miles of primary line under construction on October 31, 1946, and service to 4,243 new consumers which was not completed at the end of the fiscal year.

SECTION V

PROMOTIONAL AND PUBLICITY SERVICES

DURING the first full year following the conclusion of the war, the promotional and publicity services of the Commission were affected by the prevailing shortages of material and the corresponding shortage of power supply. Consequently these activities were carried out with such conditions in mind.

Advertising and Publicity

An active programme of advertising and publicity of the informative and educational type was produced. Advertisements were designed and published in approximately 235 papers, giving a total of rather more than 5,000 messages to the public. These advertisements were designed to give information on matters of public interest and to encourage the careful use of electricity to obtain the best results from the available supplies.

Pamphlets and folders giving information for consumers were produced, and distributed through the municipal Hydro commissions. The publication of "Hydro News" was continued, and its mailing list enlarged.

Motion Pictures

A new picture entitled "Niagara the Powerful" was completed. It is of an educational character and deals with power developments at Niagara Falls. All of the Commission's motion pictures were given wide distribution during the year, being shown to approximately 750 audiences, or about 85,000 people.

Rural Activities

Portable educational displays illustrating proper wiring for the average Ontario farm were prepared and used generously at fall fairs and plowing matches. They enabled the Commission to explain to rural consumers the advantages of adequate wiring for full economic use of Hydro service.

Industrial Services

Technical assistance and engineering services were given through the municipal systems to their industrial consumers. Thirty-five plant surveys were made covering such phases of power application as efficient distribution.



ADEQUATE WIRING

Portable rural display illustrating proper wiring for Ontario farms

proper motor loading and power factor improvement. Much technical assistance was given to municipal Hydro systems concerning the application and use of electricity in industrial plants. Co-operation was maintained with the Ontario Department of Planning and Development and with industrial commissions of various municipalities in order to aid and encourage industries desiring to establish plants in Ontario. Close contact was maintained with electrical maintenance and service clubs, and illustrated semi-technical talks on efficient power application were provided for such organizations.

Lighting Service

Lighting plans were provided for both commercial and industrial consumers, but a large proportion of this work was devoted to school lighting. Recommended plans were supplied to approximately 400 schools throughout the Province. In addition, a research installation was made in one of the Toronto area schools in order to provide information linking adequate lighting in the school with the welfare, health and development of the pupil. It is expected that data of substantial value will be obtained.

Electric Service League

At the request of the municipal Hydro systems, arrangements were completed for the development of an "adequate wiring" programme to cover the greater part of Ontario. In order to do this effectively, the Electric Service League of Ontario, comprising in its membership the Commission and the associated municipal systems, together with electrical manufacturers, distributors, contractors and dealers, was formed in 1946. As a result, all arrangements have been completed for the necessary training schools, and literature, advertising, training school material and similar equipment have been provided. It is expected that this programme will be launched in detail during 1947 and will first cover the areas served by the Southern Ontario system.

Lamps and Merchandising

The Research Water Heating Committee presented its final report in 1946. This was approved by the Commission and arrangements were completed for the manufacture of approximately 5,000 of the improved new type flat-rate water heaters to be available in 1947 for the use of municipal systems.

Merchandising operations in connection with the Northern Ontario Properties were improved by a somewhat increased supply of appliances and equipment. Lamp sales to Hydro municipalities showed a substantial increase, and the discount schedule to all municipalities was reviewed and inequalities eliminated. In addition facilities for the supply of Hydro lamps were extended to the rural districts.

Other Activities

Priority and war equipment problems disappeared with the dropping of government restrictions, but sales tax regulations affecting certain types of equipment still required attention. Negotiations with Ottawa resulted in the elimination of the 8 per cent sales tax on certain equipment for the generation and production of electric power, with a consequent saving to all utility systems. Problems relating to standardization of frequency in the Southern Ontario system, particularly in the field of consumer equipment changeover received attention.

SECTION VI

HYDRAULIC ENGINEERING AND CONSTRUCTION

CONSTRUCTION of new power developments and rehabilitation of structures in existing plants, deferred until after the end of the war, were commenced at many places during the current year. The volume of work under way is immensely greater than for some years past and extends to all parts of the Province.

Four major developments were under construction: at DeCew Falls; at Stewartville near Arnprior; on the Aguasabon river; and at Des Joachims on the Ottawa river. In addition to these, a fourth unit is being installed in the Ear Falls plant on the English river. The total capacity of the developments in progress is 575,000 horsepower, and there are indications that construction at other sites must commence in the near future.

Reference is made hereunder to various developments at which deferred work has been undertaken and of new sites at which investigations and preliminary designs have advanced.

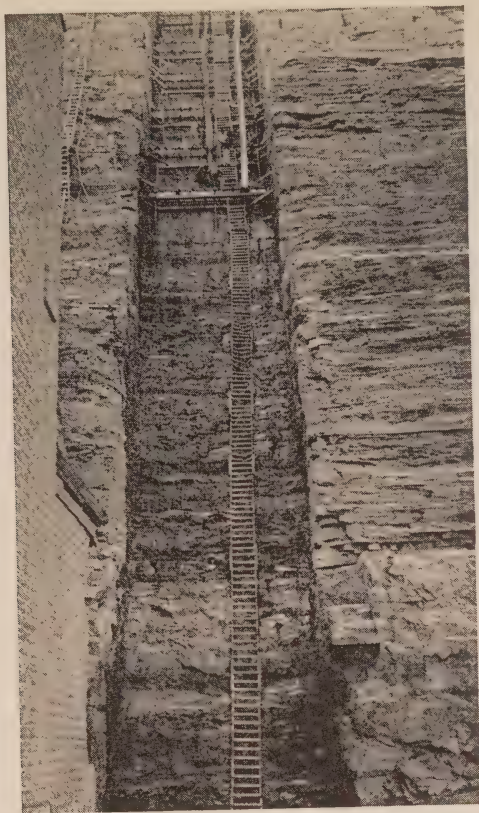
SOUTHERN ONTARIO SYSTEM

DeCew Falls Development

The reference to this development in the last Annual Report outlined very briefly the revisions in the general scheme that are being made along with the installation of the second unit. These revisions were contemplated for the most part when the first unit was installed, and consist of the enlargement of facilities that will be necessary when the second unit comes into service.

The plant has been referred to, at times, as a peak load plant. This necessitates the storage of water during periods of low load demand at night and over the week-end. The storage facilities in the reservoirs known as lake Gibson and lake Moody are being extended by increasing the range of level by about four feet to elevation 560.

When the first unit was installed an intake structure to handle all water supply for the development was built. The original intake at Allanburg, built over forty years ago, is being taken out of service completely and replaced by an earth dam, which will form part of the bank of the Welland



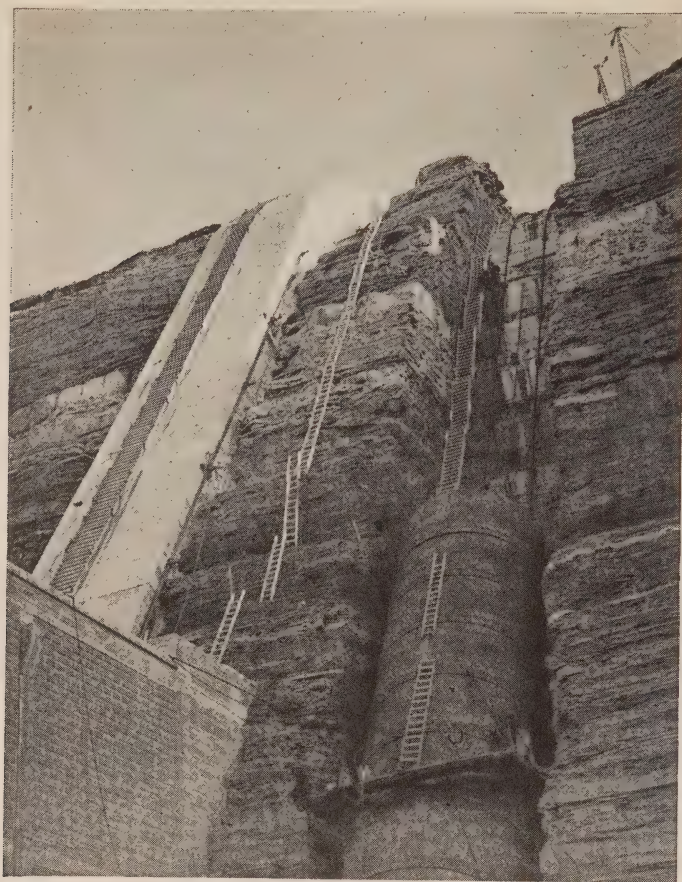
DECEW FALLS DEVELOPMENT

Trench excavated in cliff for reception of penstock No. 2



DECEW FALLS DEVELOPMENT

Excavation in Twelve Mile creek near powerhouse



DECEW FALLS DEVELOPMENT

Installation of 16-foot steel penstock in prepared trench

Ship canal. Another small intake known as the Government weir, also at Allanburg, is being strengthened and improved. The water supply for the City of St. Catharines will continue to be drawn through this structure.

In the reservoir area, certain road diversions are necessitated by the higher reservoir levels and four new highway bridges must be built. In addition a diversion of the Niagara-St. Catharines & Toronto Railway and the construction of a bridge carrying it is required. The reservoir canal is also being widened and deepened to cope with the increase in flow demanded by the enlarged plant.

The structure of the power house extension is quite similar in design to that of Unit No. 1, as also are the penstocks and turbine. No further description of these is required therefore than that given in an earlier report.

A gain in head of about 12 feet is being secured by deepening and widening Twelve Mile creek, which forms the tailrace of the plant as far as St. Catharines. This involves the construction of a loose rock weir between the 25-cycle and 66-cycle plants in order to maintain the present tailwater



STEWARTVILLE DEVELOPMENT—MADAWASKA RIVER
Looking up stream towards site of dam and powerhouse



STEWARTVILLE DEVELOPMENT—MADAWASKA RIVER
Portal of tunnel diverting river flow during construction of dam

levels at the latter. Certain improvements are being made in the channel of the Second Welland canal from place to place, as far downstream as Port Dalhousie to convey the increased flow in these channels. Another item of magnitude in connection with the tailrace channels is the reconstruction of the main-line bridge of the Canadian National Railways over Twelve Mile creek to enable an enlargement of the channel to be made at that point.

At the end of the fiscal year the canal, road diversions and bridges in the reservoir area were approaching completion; penstock erection was about half completed; turbine erection was proceeding; excavation was proceeding satisfactorily in Twelve Mile creek; and the work on the Canadian National Railway crossing was progressing. The plant is scheduled to come into service in September, 1947.

Niagara River Remedial Weir

The work on the Niagara river remedial weir was completed in 1945, but it was considered that the cableway used in its construction should be left in place until a full year's observation of the behavior of the weir had been made. Observations of water levels in the river upstream from the weir and their analysis having indicated that the amount of increase in water level secured was substantially that which the weir was designed to give, the decision was reached to remove the cableway and other equipment. Work of drawing the cables proceeded in the fall months after some preliminary work was completed on the United States side of the river to give access to the tail tower of the cableway. Thereafter the head tower of the cableway was dismantled and, with the cables and operating equipment, removed to storage. This work was approaching completion at the end of the fiscal year. Roads and park lands will be rehabilitated in the early months of 1947.

Niagara River Power Plants

At the Queenston power plant some work was carried out at the river level to protect the railway embankment, and concrete protective work on the cliff was commenced north of the power house at elevation 297.

A new lock gate was designed for the navigation entrance in the Queenston intake structure. The original gate was of timber construction and had deteriorated to such an extent that it had to be replaced; the new one will be a steel gate. In the meantime, until material can be secured for the steel gate, scows supporting a timber curtain wall have been moored in the entrance to prevent ice entering the canal.

Inspections were made of the Ontario Power Conduit No. 1, and of parts of the Toronto Power plant and minor repairs carried out at the latter.

Long Lake and Ogoki Diversions

A series of measurements of discharge were made below the control dam on the Long lake diversion project and new rating tables developed. A control weir, to be built below the rating section, was designed. Further rating measurements were also made at the Ogoki diversion project.



STEWARTVILLE DEVELOPMENT—MADAWASKA RIVER

Looking downstream toward lower cofferdam, dam foundation on left, excavation for dam in centre. November, 1946

Georgian Bay Division

Further studies were made of the Go Home, Sandy Falls and Flat Rock sites on the Muskoka river, and drawings completed showing the proposed layouts. Repairs were made to the dam at the South Falls development, and inspections were made of the turbine equipment at the South Falls, Hanna Chute, Tretheway Falls and Big Eddy developments.

At the site of the old Southampton plant, the residue of the main dam and cribwork was removed from the stream, and used as fill to protect the right bank of the river; the plant buildings, of concrete construction, were razed, and the site graded and left in a neat condition.

Stewartville Development

In eastern Ontario construction work at the Stewartville development was in progress. The new development is situated approximately eight miles southwest of Arnprior, on the Madawaska river, and will have an installed capacity of 81,000 electrical horsepower, produced under a head of 150 feet. It is expected that the plant will be in operation in the spring of 1948.

The development comprises a concrete dam of gravity type with a maximum height of some 200 feet and 850 feet long, a headstocks incorporated in the north end of the dam, and three 14-foot steel penstocks approximately 190 feet long that convey the water to three Francis type turbines in the power house at the base of the dam. A sluiceway provided with two 35-foot sluice gates and two 14-foot sluices will be placed at the south end of the dam and will discharge during the flood period into a highwater channel on the south bank of the river. Concrete training walls will direct the flood waters

to the exit channel of the diversion tunnel, in which baffle piers will absorb much of the energy of the water before it re-enters the tailrace channel and river.

To de-water the power site the river has been diverted through a tunnel 30 feet in diameter and 500 feet long, excavated under the site of the sluiceway section. The downstream cofferdam was completed and the upstream cofferdam was being raised to cope with the spring floods. The tunnel will be closed later by steel gates at the entrance portal and for final closure a concrete plug will be poured downstream from the control structure.

At the end of the fiscal year, approximately 80 per cent of the earth excavation for the main dam and power house was completed; the rock excavation for the main dam section was about 40 per cent completed; the rock excavation for the power house substructure was under way; and the installation of the concrete mixing plant and the stationary section of the concrete conveyor system for the main dam was nearing completion.

Des Joachims Development

Preliminary work prior to active construction was progressing at the Des Joachims power site on the Ottawa river at the end of the fiscal year. The development will have an initial installation of 360,000 horsepower in six units, with provision for two additional units, the turbines being rated at 62,000 horsepower under a head of 130 feet. Power from two units is expected to be available early in 1950.

The main dam, of the gravity type, will be built at the head of the Rapides des Joachims, it will be approximately 2,500 feet long with a maximum height of about 150 feet. From the headworks incorporated in the dam, 22-foot diameter penstocks will convey the water to the units in the power house at the base of the dam. The tailrace, to be excavated through the Rapides des Joachims, will be approximately 7,000 feet long, 150 feet wide and about 30 feet in depth, and is required to develop the fall in these rapids from the power house site to the Deep River section of the Ottawa river.

An auxiliary dam, of the gravity type, adjacent to and north of the main dam, will be approximately 1,300 feet long, with a maximum height of about 45 feet.

About a mile and a half to the north of the Ottawa river upstream from the main dam is a small valley parallel to the main stream containing a lake known as McConnell lake. This small waterway will be used as a flood discharge channel; it will require a control dam at its western end, where the raised level of the water above the main dam would otherwise spill over into the valley, and channel enlargement at the eastern end where McConnell lake discharges by a small stream into the Deep River section of the Ottawa river.

The McConnell Lake control dam, also of the gravity type, will be approximately 1,600 feet long, with a maximum height of about 105 feet. It will incorporate forty 16-foot stop-log sluices and six 40-foot sluiceways provided with steel gates.



STEWARTVILLE DEVELOPMENT—MADAWASKA RIVER

Commencement of dam construction, showing form work and concrete plant

The raising of the water level of the Ottawa river to elevation 500 will make it necessary to clear about 11,000 acres of land between the site and the village of Mattawa, a distance of 57 miles upstream, and to relocate or raise 22.5 miles of railway trackage and 12 miles of provincial highway. Major items of construction include estimated quantities of 2,600,000 cubic yards of material to be excavated, of which 90 per cent is rock, and 800,000 cubic yards of concrete.

Barrett Chute Development

The turbine runner of Unit No. 1 at the Barrett Chute plant was replaced by a new runner of improved design, supplied by the turbine builder. Tests conducted in September, 1946, showed a 7 per cent increase in capacity and a slightly higher efficiency than the original runner.

THUNDER BAY SYSTEM

Aguasabon Power Development

Increasing demands for power in the areas served by the Thunder Bay system, make it necessary to provide new generating facilities. The most recent project now under construction is the Aguasabon development on the shore of Terrace bay near Schreiber and about 70 miles east of the Nipigon river. The waters from the Long lake diversion project flow to lake Super or by way of the Aguasabon river, which falls steeply in the latter part of its course before reaching the lake. The natural run-off of the river when controlled by storage and augmented by the larger supply from Long lake will give a dependable flow of 1,100 cubic feet per second.

Besides the existing Kenogami and Long Lake control dams, there will be the main dam, a concrete structure near the mouth of the Aguasabon river and, about midway between the main dam and Long lake, a concrete control dam to develop storage on Lower lake. By means of the main dam, the headwater level will be raised to elevation 900, and slackwater will extend thence almost to the intermediate control dam. The head pond will flood an area extending westerly a distance of two miles from the dam, the southerly limit of the basin thus formed being a natural ridge along the northerly side of Terrace Bay on Lake Superior. The intake for the power plant will be located in this part of the headpond and from the intake a tunnel will be driven through the ridge to the power house site on the shore of Terrace bay.

The intermediate storage dam, to be called Aguasabon lake control dam, will regulate storage through a range of 40 feet between elevations 940 and 980. At the latter elevation the water surface will extend upstream to the Long lake control dam.

The tunnel leading to the power house will be 15 feet in diameter, concrete-lined and 3,400 feet long. From the lower portal a steel penstock of the same diameter will extend about 100 feet to a "Y" section with branches leading to the two turbines in the power house. The turbines are rated at 27,500 horsepower each, under a head of 290 feet, and will run at 257 revolutions per minute. The tailwater will be at lake Superior level, approximately elevation 601.

A surge tank will be built 480 feet upstream from the power house, will be 250 feet high and will be connected to the tunnel through a vertical shaft in rock 100 feet in height.

A pulp and paper mill and town site are being built on the shore of the new head pond by the Long Lac Pulp and Paper Company.

The development will form a part of the Commission's power supplies for the Thunder Bay system and will be connected to the existing network by a transmission line some 70 miles in length.

At the end of the fiscal year camps had been built, roads to the power house site and the Aguasabon lake control dam were under construction, and excavation was progressing at the intake site.



DES JOACHIMS DEVELOPMENT—OTTAWA RIVER

Records of water levels are an essential part of preliminary data. Water level gauges of this type were installed at many points along the river

At Pine Portage on the Nipigon river, surveys and investigations of foundations at the damsite were proceeding. Further investigations of the Dog lake site on the Kaministiquia river were made and the power possibilities of the Pigeon river were studied.



AGUASABON DEVELOPMENT—THUNDER BAY DISTRICT

Construction camp on the shores of Terrace bay near mouth of Aguasabon river

NORTHERN ONTARIO PROPERTIES

Abitibi District

A road between the highway near Connaught and the Frederick House dam was completed. The highway along the south shore was raised, and a number of property settlements negotiated in connection with the regulation of Frederick House lake to a higher level for storage purposes.

Preliminary estimates were made of the cost of developments at various sites on the Abitibi, Mattagami and Groundhog rivers.

Sudbury and Nipissing Districts

Detailed investigations of the power sites on the Mississagi river continued. This river, flowing into lake Huron about 100 miles west of Sudbury, possesses great advantages as a source of energy to meet the growing needs of the power market in the Sudbury district and, by interconnection, the whole area served by the Timiskaming and Abitibi district also. The river has a well sustained flow, good storage possibilities, and a steep gradient. Four power sites have been studied, both in field and office, and the one known as the Tunnel site is indicated as that most advantageous for the initial development. Here a head of 215 feet is available, at which present proposals provide for the installation of units to develop 56,000 horsepower. The studies of this and other sites are proceeding.

At Crystal Falls on the Sturgeon river, a sluiceway floor and stop-log sill were rebuilt of concrete in the north channel dam, where erosion had undermined the old sill.

Timiskaming District

At Hound Chute a training crib of rock-filled timber construction was rebuilt from low water level up, to provide protection from erosion for the shore at the right bank of the spillway dam.

At Indian Chute, concrete gravity sections were built to strengthen the slab construction of the dam at the wood-stave pipe intake bays. Eroded portions of the piers were repaired, and the pipe saddles renewed where necessary.

The intake of the Matabitchuan power house was de-watered and the interior wall treated with water-proofing material to reduce leakage. A concrete blanket was added to the face of portions of the wing dams. An undertaking was made with the Department of Highways to share the cost of improving the road to the plant, including the reconstruction of a timber bridge over the Montreal river.

Patricia District

Work commenced in September on the installation of the fourth and last unit in the Ear Falls plant at the outlet of lac Seul on the English river. Restoration of mining operations, curtailed during the war at many points in the district, along with new projects requiring power, indicate that the power demand may soon exceed the present capacity of the power sources. The fourth unit is similar to Unit No. 3 and will have a capacity of 7,500 horsepower, making the total installed capacity of the plant 25,000 horsepower. At the end of the fiscal year a contract had been executed for the turbine and governor, detailed design was proceeding, and construction material and equipment were being delivered to the site by water transportation.

Work on the replacement of Unit No. 1 in the Rat Rapids plant on the Albany river, destroyed by fire some years ago, was undertaken in the latter part of the year. The unit will be restored to service in November.



EAR FALLS DEVELOPMENT—ENGLISH RIVER

A new unit, No. 4, is being installed at the right of the present powerhouse shown above

Hydraulic Investigations

As in the previous year, activities in the field were widespread and numerous and extended to various potential sources of power supply, particularly in the eastern and northern parts of the Province.

Routine collection of hydrometric data was extended by the establishment of twenty new snow survey stations.

Inspections of structures were made at numerous power plants and storage dams throughout the Province and reports prepared regarding their condition.

SECTION VII

ELECTRICAL ENGINEERING AND CONSTRUCTION

FOLLOWING the cessation of hostilities in 1945 an unexpected demand developed for additional power. Prospective loads indicate a high rate of growth for some time to come. This increased power demand follows a period when the Commission's systems were stressed to carry the war load, and when normal operating reserves could not be adequately maintained. The new generating and frequency-changer stations, and the related transmitting, transforming and distributing capacity, authorized by the Commission to give relief, have resulted in an unprecedented volume of work in design and construction, reflected not only in the Commission's organization, but also in the organizations of manufacturers furnishing the necessary materials and apparatus.

Partly because of unavailability of additional staff for the volume of work in hand, but mainly because of the time required to obtain deliveries of equipment and material, abnormally long periods have been required to get new projects into service. Many revisions in construction time schedules have been necessary, and the in-service dates of some of the projects scheduled in last year's report for completion in 1946 have had to be deferred until 1947.

Planning

Very extensive studies were made in connection with a report on the standardization of frequency at 60 cycles for the Southern Ontario system and on the effect such conversion would have on system plans. Work was continued on the projection of system plans into the future, and the provision and integration of a network to absorb a large block of new generation.

Many studies were made to obtain the best use of existing facilities, and to develop the most practical methods of providing relief as quickly as possible. As a result of these studies various new projects were authorized. For example, authorization was granted for the construction of a 230,000-volt transmission line, to be initially operated at 115,000-volts, from the Niagara Falls area to the vicinity of London. A main switching station, with provision for transformers, is planned at each line terminal. The purpose of this line is to relieve excessively overloaded transmission facilities on a portion of the Southern Ontario system, and, at the same time, to provide facilities required in the working out of a flexible and comprehensive long-term plan.

An investigation was made to determine the additional facilities required to improve voltage conditions on the Eastern Ontario and Georgian Bay divisions of the Southern Ontario system. Used synchronous equipment immediately available is being purchased to provide some measure of relief.

The Commission's network calculator has been in constant use in connection with the foregoing and other studies. The extension ordered in 1945 for the calculator is much needed, but delivery has been unavoidably delayed until 1947.

To provide data for analysis of the respective systems, automatic oscillographs were installed at Chats Falls and will shortly be installed at Cameron Falls generating station for the Thunder Bay system and at Abitibi Canyon generating station for the Northern Ontario Properties.

New Generating Capacity

New generating stations were authorized at Des Joachims on the Ottawa river and at Terrace bay at the mouth of the Aguasabon river. A third generating unit was authorized at Stewartville, the new generating station on the Madawaska river, and a fourth generating unit at Ear Falls.

Increased Transformer Capacity

Increased loads have necessitated a rapid expansion in distribution facilities.

At the end of this section is given a tabulation of the transformer and distributing stations where, to accommodate load conditions, changes in transformer capacity were completed during the year. A number of the stations listed are new.

Many new transformers were placed in service and many existing transformers were transferred through system reserve stores to other stations. A number of old transformers were transferred to salvage stores; these were mostly of indoor type and obsolete design, they had been in service for 30 years or more and could not be economically rehabilitated. A number of these salvaged transformers, however, are being utilized for the supply of power for construction work. Those that failed in service are being scrapped.

In addition to transformer changes actually completed, many new stations are being constructed and additional transformer capacity is being installed in existing stations. For example, in the Southern Ontario system, about 31 new distributing stations are at present either in the design stage or under construction; and distributing stations now being constructed or being altered will, when completed, increase existing distributing station capacity by approximately 35,000 kva.

Acquired Properties

The sub-stations and transmission lines formerly supplying power to Defence Industries, Ltd. plants at Nobel and Ajax, also several low-voltage lines and distributing systems in other localities, have been purchased from War Assets Corporation. Negotiations are proceeding for the purchase of a number of other stations, lines, and distribution systems, built by the Commission for various departments of the Dominion government during the war.



NEW TRANSMISSION LINES

A section of the 42 mile, 110,000-volt transmission line between Chatham and Sarnia

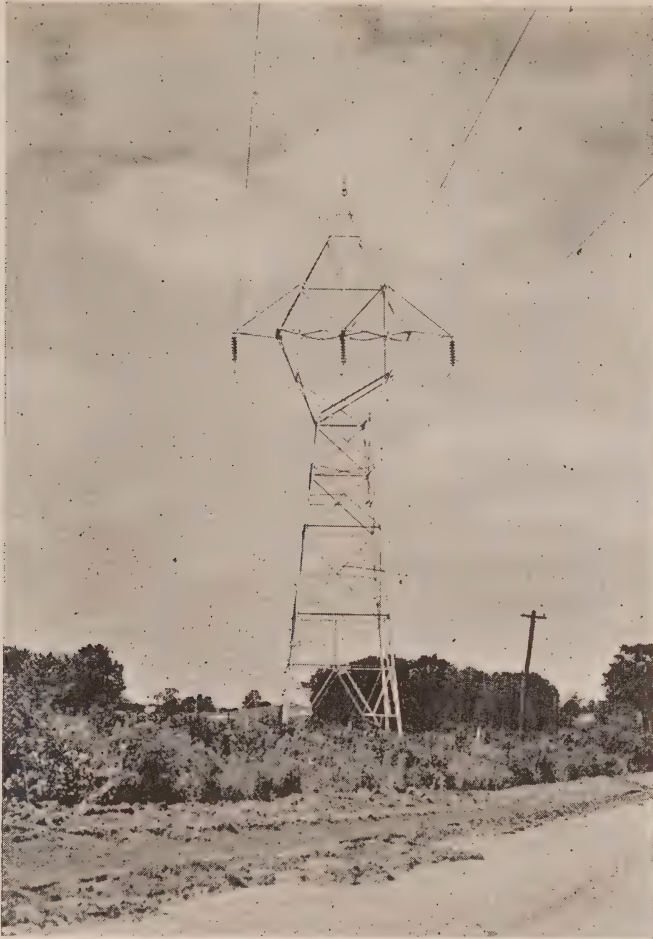
New Transmission Lines

New transmission lines placed in service include 110,000-volt, steel-tower lines from near Ottawa 51.5 miles to Cornwall, from Oshawa 28.75 miles to Scarborough, from Scarborough 50 miles to Barrie, and approximately 83 miles of 12,000-volt to 44,000-volt wood-pole lines, of which 60 miles were built to serve new customers and distributing stations.

Transmission line capacities were increased by restringing 46 miles of circuits with heavier conductor, and by reinsulating 107 miles of circuits for higher voltages. Obsolete circuits totalling 24 miles were removed, in some cases with their supporting structures. Lines purchased from War Assets Corporation or customers totalled 49 miles. Timiskaming district lines totalling 153 miles were rehabilitated.

Lines under construction include 110,000-volt, steel-tower lines from Alexander generating station 60 miles to the Aguasabon development, from Chatham 42 miles to Sarnia, from Barrett Chute generating station 138 miles to Oshawa, and from Cyrville junction 5 miles to Ottawa. The transmission line between Chatham and Sarnia, together with the switching equipment, is practically completed.

Preliminary engineering is progressing for a 230,000-volt line from eastern Ontario to Burlington, together with a 40,000-kva condenser and a fourth 75,000-kva transformer bank at Burlington.



NEW TRANSMISSION LINES

Standard tower on the 110,000-volt Chatham to Sarnia line

Tie Line Control

Based on the extensive studies reported last year, authorization was obtained for an integrated scheme of automatic tie-line load and frequency control of the consolidated Southern Ontario system. This control will be centralized in the Power Supervisor's office in the Administration Building, Toronto.

Rural Extensions and Improvements

The demands for rural distribution lines and services accumulated during the war years when materials and labour were restricted have not been met, and materials are not yet available to satisfy the large carryover of work to be done. A summary at the end of this section shows the miles built and the number of additional consumers served.

Every effort was made to improve service conditions and many changes in the existing plant were made.

Communication Systems

The post-war communications programme is now under way with power line carrier, experimental frequency modulation radio, multiple channel carrier systems, and private automatic exchange switchboards being prepared for use by the Commission. Rehabilitation and revisions of the existing telephone circuits, as well as construction of new cable and open-wire-circuit telephone pole lines, are being continued to provide adequate service for increasing power requirements.

Oil Circuit-Breakers

Progress is being made in the programme of replacing oil circuit-breakers of inadequate rupturing capacity and of using the replaced breakers in other stations.

Staged tests were made on 138,000-volt-class oil circuit-breakers. These tests were similar to those carried out and reported last year, but were on a different design of circuit-breaker.

Metering Equipments

Improvements to existing metering equipments and the installation of new metering equipments are constantly in progress to meet changing conditions. Work in this connection is at present particularly active in the Northern Ontario Properties, where between 50 and 60 metering equipments are in course of change or installation. This activity is due in part to the taking over of the customers of the Northern Ontario Power Company, and in part to new mining customers, and to former mining customers resuming operation.

Engineering Assistance

Engineering assistance was given to a number of municipalities and large power customers, also in connection with the approval under the statute, of electrical installations over 600 volts.

Equipment Deliveries

The material situation is still acute, resulting in slow and retarded equipment deliveries. To overcome this condition orders are being placed as far in advance of actual construction as can be planned.

Miscellaneous

New generating developments and transmission lines, increases in installed capacity, and growth of rural operating areas have created the need in various locations for miscellaneous construction such as housing accommodation for operators and patrolmen, and office, garage, and stores accommodation for rural operating areas. Much consideration has been given to requirements, but, due to material and labour shortages, only a very limited amount of such construction was undertaken.

* * *

Under system headings, further particulars are given of the more important work carried out and authorized during the year.

SOUTHERN ONTARIO SYSTEM

New Generating Capacity

Authorization was given for the construction of a new generating station at Des Joachims, approximately 145 miles west of Ottawa on the Ottawa river, to have an initial installed capacity of 300,000 kva with provision for future extension. The construction of a 20-mile 110,000-volt transmission line extension from Chalk River to the development will shortly be commenced to supply power for construction purposes.

Authorization was given for the installation of a third 24,000-kva generating unit at Stewartville generating station. The authorization of the first two units was reported last year. This generating station will supply power to the Eastern Ontario division over a 110,000-volt transmission line through Barrett Chute to Oshawa transformer station. Facilities are also being provided for the interchange of power with the Madawaska district through a 5,000-kva transformer. Major equipment now being manufactured includes three 24,000-kva, 85 per cent power factor, 163.6 rpm, 13,200-volt generators; three 27,000-kva, 13200/110,000 volt, 3-phase transformers, together with their associated 13,200-volt metal-clad switchgear; and one 5,000-kva, 44,000/13,200-volt, 3-phase transformer (for initial operation at 33,000-volts at reduced capacity), together with its associated switching equipment. Switching equipment is also on order to provide for the extension of the existing 110,000-volt switchyard at Barrett Chute generating station to control the new lines to Stewartville and Oshawa.

Work in connection with the installation of the second 64,000-kva generating unit at DeCew Falls generating station is progressing. The second unit requires the addition at this station of high-voltage switching for two units and two lines. This equipment was purchased during the year.

New Frequency-Changer Station

Progress was made in connection with the new Scarborough frequency-changer and transformer station and the associated transmission lines, transformation and switching to provide for the exchange of power and energy between the Niagara, Georgian Bay, and Eastern Ontario divisions.

As described in last year's report, the planned tie-in point with the Georgian Bay division was adjoining the existing Fergusonvale auto-transformer station. Due to difficulties in obtaining delivery of sufficient line construction materials by the required date to meet load demands, the location of the Georgian Bay division tie-in station was changed from Fergusonvale to Barrie. This change made it necessary to transfer the two 1,500 kva, 44,000/22,000-volt auto-transformers from Fergusonvale to Barrie. The new 110,000/44,000-volt transformer station at Barrie, the additional 110,000-volt switching at Oshawa, and the new 110,000-volt Oshawa-Scarborough and Scarborough-Barrie transmission lines were placed in service on July 2, 1946.

The designing of Scarborough frequency changer and transformer station is about 75 per cent complete, grading of the site was completed, and founda-

tion excavation commenced. The 44,000-volt voltage-regulating equipment at Oshawa and Barrie will be installed early in 1947. The additional switching at Toronto-Leaside transformer station, the new Scarborough-Leaside tie line, and the first frequency-changer unit at Scarborough frequency-changer station are scheduled to be in service by the summer of 1947. Consideration is being given to the installation of a second frequency-changer unit at Scarborough.

Interchange of power will be facilitated at the end of 1947 by the completion of a 110,000-volt line between Barrett Chute development and Oshawa. This line will be extended to Stewartville when that development is ready to furnish power.

Studies are in progress for a 110,000-volt transmission line from Barrie to Owen Sound and ultimately to Hanover, together with a 110,000/44,000-volt step-down station at Owen Sound.

New Terminal Station and Service Centre

The site of the new terminal station and service centre in Etobicoke township, referred to in last year's report, has been divided into two properties known as Kipling transformer station and Islington service centre.

The initial installation of 110,000-volt switching equipment at Kipling transformer station is progressing and should be ready for service early in 1947. Two 25,000-kva, 110,000/26,400-volt transformers, together with the necessary switching and voltage-regulating equipment, have also been ordered and are expected to be in service by the fall of 1948. This will reinforce the power supply to Islington and the surrounding area.

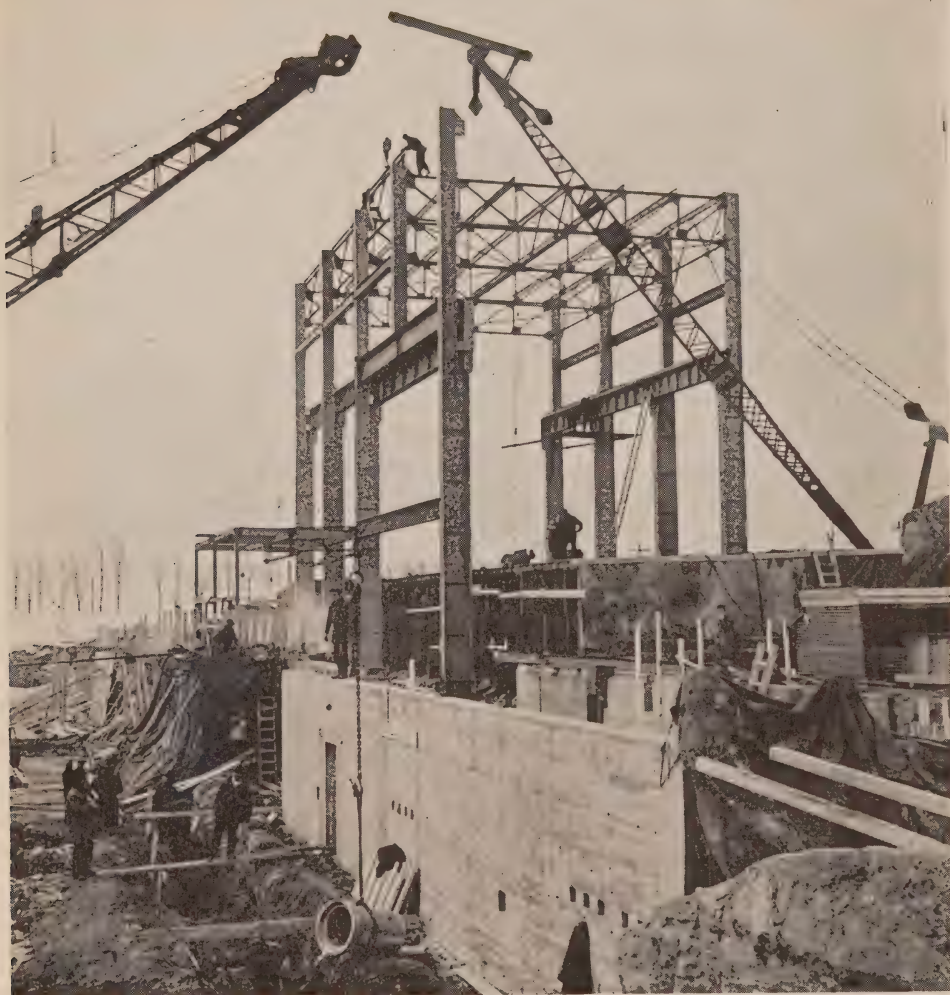
In order to carry the load in this area in the meantime, the capacity at York transformer station is being increased from 30,000 kva to 45,000 kva by using reserve transformers which are available. A 13,000-kva regulating transformer is being installed, to improve voltage to the Georgetown area.

At Islington service centre the rough grading has been completed, railway sidings have been installed, surface and under-drainage is underway, roads and fencing are being constructed, and temporary buildings are being erected for equipment storage.

Other Changes

A new 15,000-kva 110,000/11,000-volt transformer station is being constructed at Cornwall to supply the Canadian Industries Ltd. plant. This new station, and the extensive alterations to the Cornwall transformer and switching stations mentioned in last year's report, are scheduled for completion early in 1947. The 51-mile, 110,000-volt Ottawa-Cornwall transmission line was placed in service on April 15, 1946, but the construction of Merivale switching station, scheduled in the 1945 report for completion in 1946, has been delayed due to priority given to more urgent projects.

Work is progressing on the new 15,000-kva, 110,000/11,000-volt Ottawa-Riverdale transformer station, to provide additional power for the city of Ottawa.



SCARBOROUGH FREQUENCY-CHANGER STATION

An important link in the integration of the Niagara, Georgian Bay and Eastern Ontario divisions of the Southern Ontario system

Equipment was purchased for a new 8,000-kva, 110,000/26,400-volt transformer station at Wallaceburg. This station will be connected to the 110,000-volt transmission circuit between Kent and St. Clair transformer stations, and will supply power to the Wallaceburg area through the existing distributing station, and a new municipal station. Equipment was also purchased for a new station of similar capacity at Kingsville.

The site and transformers were purchased for a new 3,000-kva, 110,000/11,000-volt distributing station near Cobden, to supply power to the Cobden district.

The site and equipment were purchased for a new 1,500-kva, 110,000/8,000-volt distributing station at Russell, to relieve the load on Chesterville and Ottawa distributing stations.

Engineering and purchase of property is progressing for a second 110,000-volt station at Windsor. Studies are being made in connection with a proposed 110,000/13,200-volt additional step-down station at Hamilton, also one at London.

Equipment was purchased for increased capacity at Toronto-Esplanade and Toronto-Wiltshire transformer stations which it is expected will be ready for service in 1948. Two 25,000-kva, 3-phase, transformers and six 6,000-kva, single-phase transformers have been purchased.

A second 500-kva transformer, and additional 4,000-volt feeders, are being added to the 110,000-volt transformer station at Forfar.

The 3,750-kva transformer bank at St. Marys is being replaced with a 7,500-kva bank, and a second 8,000-kva transformer bank is being installed at St. Catharines transformer station.

To improve service and maintenance conditions, 110,000-volt pole structures at Thorold transformer station were replaced by steel structures, and new motor-operated 110,000-volt disconnecting switches were installed.

Installation of the second 15,000-kva transformer bank at Frontenac transformer station (including one 15,000-kva voltage regulator and the necessary switching equipment) previously scheduled for completion in 1946 has been delayed due to non delivery of material.

To augment the supply of power to the Hawkestone rural operating area, a 600-kva, 22,000/8,000-volt distributing station was installed at Bass Lake, together with 13 miles of 44,000/22,000-volt transmission line from Cold-water distributing station.

In order to improve voltage conditions caused by increases in load, a number of used and immediately available synchronous rotating units are being considered for installation forthwith as synchronous condensers. These include a 3,000-kva unit in Peterborough municipal station, a 1,200-kva unit in Auburn generating station, two 1,700-kva units in Owen Sound distributing station, and a 5,000-kva unit at Barrie transformer station. Several step-type voltage regulators have also been purchased for installation in 1947.

An 8,000-kva voltage-regulating transformer is being installed at London transformer station to improve voltage on the feeder to the Exeter and Dashwood districts; a 10,000-kva voltage regulating transformer at Stratford transformer station to improve voltage on the Goderich feeder, and a 15,000-kva voltage regulating transformer at Preston transformer station to improve voltage on the Galt and Hespeler feeders.

The stations in the Scarborough area now served at 13,200-volts from Toronto-Leaside transformer station are being altered for 26,400-volt service from the new Scarborough frequency-changer and transformer station. The stations affected include the existing distributing stations at Agincourt, General Engineering, Scarborough No. 1 and No. 2, and West Hill, and the existing Scarborough township municipal station. The new Dunbarton

distributing station and the new Scarborough township municipal station will be constructed for 26,400-volt service.

Transformer changes are being made at Fenelon Falls generating station in connection with the raising of the voltage of the Lindsay feeder from 11,000 to 44,000 volts.

Additional 26,400-volt switching is being installed at Willowdale regulator station to accommodate an additional 26,400-volt line from Toronto-Fairbank transformer station. This line will feed Willowdale regulator and distributing stations, and will improve service on north Yonge street.

Switching changes are being made at New Toronto distributing station to accommodate line changes and to improve operation in the New Toronto area.

Switching equipment is being installed at Heely Falls generating station to control a new 44,000-volt line to serve American Nepheline, Ltd.

The improvements outlined in the 1944 report at Niagara transformer station were completed. Additional work is being undertaken covering the replacement of the obsolete 110,000-volt oil circuit-breakers with motor-operated disconnecting switches.

Authorization was given for the modernizing of Brant transformer station, which was originally placed in service in 1914. The work will include the construction of an outdoor 26,400-volt switching structure, with modern oil circuit-breakers and switching equipment, the remodelling of the existing control room and switchboard, and other improvements.

To provide rupturing capacity adequate for the continually increasing interconnected capacity on the system, all of the 110,000-volt oil circuit-breakers on the outgoing lines from Queenston transformer station are being replaced by circuit-breakers of 2,500,000-kva rupturing capacity.

Work is in progress on the installation of remote load and frequency telemetering from Chats Falls, DeCew Falls, Queenston, Ontario Power, and Toronto Power generating stations, also from the Gatineau Power Company's Pagan generating station, to the Power Supervisor's office in Toronto.

The sale of a number of distributing stations was made to municipalities. York Mills, Glencairn, De Havilland, and Bayview distributing stations were purchased by North York Township. Elmira and Fergus distributing stations were purchased by Elmira and Fergus Public Utilities respectively.

There was acquired from War Assets Corporation a 6,000-kva, 44,000/2,400-volt station at Nobel, together with 37 miles of 44,000-volt line from Ragged Rapids generating station; also a 3,000-kva, 44,000/2,400-volt station at Ajax, together with 4.6 miles of 44,000-volt line.

Engineering assistance was furnished to several municipalities, including Belleville, Brantford Township, Chatham, East York, Georgetown, Goderich, Guelph, North York, Owen Sound, Peterborough, St. Marys, Scarborough Township, Stamford, Sudbury, Swansea, Thorold, and Waterloo.

THUNDER BAY SYSTEM

Studies were made to determine the generating, switching, and transmission requirements for the next several years.

Authorization was given for the construction of a 45,000-kva generating station at Terrace bay near the outlet of the Aguasabon river into lake Superior, and approximately 5 miles east of Schreiber. This station will supply the Long Lac Pulp and Paper Company's new mill and townsite, to be named Terrace, on the banks of the lake formed by the main power dam, and will also provide additional power for the Thunder Bay system over a 65-mile 110,000-volt transmission line to Alexander generating station.

The purchase of two 22,500-kva, 90 per cent power factor, 257 rpm, 13,800-volt totally-enclosed water-cooled generators has been completed. Construction of the transmission line from Aguasabon to Alexander is well advanced, and it will shortly be put into temporary service for the supply from Cameron Falls of 44,000-volt power for construction purposes at Aguasabon, also at the Long Lac Pulp and Paper Company's millsite.

At Cameron Falls generating station, the 12,000-volt switching is being rearranged, and additions made, to provide additional protection, service security, and flexibility.

To facilitate delivery of additional power to system load centres at Fort William and Port Arthur, the existing 110,000-volt circuits in the vicinity of Alexander and Cameron Falls are being rearranged, and an additional 110,000-volt transmission line will be constructed. A new 110,000-volt switchyard will be constructed at Alexander generating station to control an infeed from Alexander, the new line from Aguasabon, one line to Long Lac transformer station (fed at present from Cameron Falls), and one line to Port Arthur.

The construction of Port Arthur transformer station No. 2, consisting of one 15,000-kva, 110,000/22,000-volt transformer bank, together with 110,000-volt and 22,000-volt line connections will be completed in 1947.

Studies were made relating to the erection of a 110,000-volt switching station at Fort William.

Engineering assistance was furnished to the Long Lac Pulp & Paper Company in connection with the design of a temporary station to supply power for construction.

Engineering assistance was also supplied to the Fort William Hydro-Electric Commission and the Port Arthur Public Utilities relative to additional station capacities and transmission lines.

NORTHERN ONTARIO PROPERTIES

Abitibi District

In the Timmins-Schumacher area the process of amalgamation of the Abitibi and Timiskaming districts now being carried out will establish

Timmins transformer station as the main power centre. By re-routing circuits and eliminating Schumacher transformer station, power will reach Timmins transformer station at 44,000 volts from Lower Sturgeon generating station, and at 26,400 volts from Sandy Falls generating station, in addition to the present input from Abitibi Canyon generating station at 120,000 volts. After transformation, this power will be supplied to the various mine and urban load centres at 26,400 volts.

The work involves an increase in transformer capacity at Timmins transformer station by the installation of three 9,500-kva transformers from Kirkland Lake transformer station rebuilt for 120,000/26,400-volt operation; the installation of three 2,500-kva 44,000/26,400-volt transformers for receiving power from Lower Sturgeon generating station; and additional 26,400-volt feeders for receiving power from Sandy Falls generating station and supplying power to the existing Timmins distributing station of the Timiskaming district.

Related work in the Timiskaming district includes an outdoor switching station at Hollinger transformer station for the supply of 26,400-volt power to a new Timmins distributing station No. 2; auto-transformer stations at McIntyre mines, Coniaurum mines, and Dome mines; and new distributing stations at Schumacher and South Porcupine.

Work is progressing on these changes, and it is expected that some of the changes will be ready for service by the summer of 1947, and the remainder in 1948.

Equipment for measuring the transfer of power between the Abitibi and Timiskaming districts at Timmins transformer station was placed in service on August 1, 1946.

Transformers will be installed at Wawaitin generating station to permit this station to be connected to the Abitibi Canyon-Copper Cliff 120,000-volt trunk lines.

Among the mining customers added to the system during the year, some were re-commencing operations, and others were new mines requiring, in most cases, extension of the Commission's lines. These latter include Aquarius Porcupine Gold Mines, Porcupine Peninsular Gold Mine, and Gold Hawk Porcupine Mines, involving a six and one-half mile extension of a 26,400-volt feeder from Pamour transformer station. A second feeder was extended about one mile to supply the Porcupine Reef Gold Mines. A 26,400-volt feeder from Ramore transformer station was extended one and a quarter miles to supply the Golden Arrow Mines.

System studies are being made to determine the additional transformation and transmission facilities necessary to meet anticipated load increments in this district.

Engineering studies were made in co-operation with the Falconbridge Nickel Company with respect to additional load requirements.

Timiskaming District

In the Cobalt area, plans are well advanced toward providing additional 60-cycle power resources, the transmission of all generated power at 44,000

volts instead of some at 11,000 volts as at present, and the transmission of surplus 60-cycle power to supplement the resources of the Sudbury-Nipissing districts.

To improve service and operating conditions, arrangements are being made to install synchronizing equipment in the 44,000-volt, 60-cycle lines at Kirkland Lake transformer station.

Sudbury District

Engineering studies are being carried out to determine the additional power resources and station and transmission facilities necessary to meet the anticipated load growth in this area.

To supply a new section of the Sudbury rural operating area, work was begun on the erection of six and one-half miles of 22,000-volt line, and the construction of a 600-kva, 22,000/12,000-volt distributing station at Blezard Valley.

Nipissing District

The 24-mile, 22,000-volt Sturgeon Falls-North Bay tie line was restrung with heavier conductor to permit increased transfer of power.

Manitoulin Rural Power District

Studies were made relative to the valuation and purchase of the Kagawong generating station of the Manitoulin Pulp Company, and for increased power supply.

Patricia District

Authorization was given for the installation of a fourth generating unit at Ear Falls generating station, together with associated transformation and switching facilities. The work includes a second 44,000-volt transmission line from Ear Falls to Howey Junction, and a new line from Howey Junction to the Pipestone Bay area. The work also includes replacement of the building superstructure for No. 1 unit. This portion of the building superstructure was erected in 1929, and is of temporary construction. The 6,000-kva, 90 per cent power factor, 150 rpm, 6,600-volt generator is on order.

At Rat Rapids generating station, No. 1 generating unit is being reinstalled for service. This 2,000-kva unit was damaged by fire in 1941, and was rebuilt in 1942. Due to war conditions, its reinstallation was deferred. The unit will be placed in service, with temporary control equipment, in December 1946. The permanent control equipment is expected to be installed in 1947.

Engineering studies are being made to determine the additional generation and transmission facilities necessary to provide for further load increment in this district.

Rainy River District

The erection of a 300-kva, 60-cycle, 6,600/12,000-volt distributing station was authorized for installation at the Ontario and Minnesota Pulp and Paper Company's Fort Frances transformer station, to supply the Rainy River rural operating area.

CHANGES IN TRANSFORMER CAPACITY DURING YEAR ENDED OCTOBER 31, 1946

| Station | Date | Transformers installed | | | | Transformers removed | |
|--------------------------|--------|------------------------|-----|-----------------|-----------|----------------------|-----------------|
| | | No. | kva | Ph. | Total kva | No. | kva |
| SOUTHERN ONTARIO SYSTEM | | | | | | | |
| Ajax..... | D.S. | Sept. 1, 1946 | 2 | 1,500 | 3 | 3,000 | |
| Alcona Beach..... | D.S. | July 12, 1946 | 3 | 333 | 1 | 1,000 | |
| Allandale..... | D.S. | April 25, 1946 | 3 | 1,000 | 1 | 3,000 | |
| Ancaster..... | D.S. | Feb. 15, 1946 | 1 | 600 | 3 | 600 | |
| Barrie..... | T.S. | July 2, 1946 | 2 | 1,500 (Auto) | 3 | 3,000 | |
| Barrie..... | T.S. | July 2, 1946 | 4 | 5,000 | 1 | 20,000 | |
| Bayview..... | D.S. | Nov. 1, 1945 | | | | 1 | 1,500 |
| Beamsville..... | D.S. | Oct. 20, 1946 | 3 | 667 | 1 | 2,000 | 3 250 |
| Belle River..... | D.S. | Aug. 22, 1946 | 3 | 333 | 1 | 1,000 | 3 150 |
| Belleville No. 2..... | D.S. | May 12, 1946 | 3 | 667 | 1 | 2,000 | 1 750 |
| Blenheim No. 2..... | D.S. | April 27, 1946 | 3 | 333 | 1 | 1,000 | |
| Brewers Mills..... | D.S. | July 28, 1946 | 3 | 100 | 1 | 300 | |
| Calabogie..... | G.S. | Mar. 31, 1946 | 2 | 75 | 1 | 150 | |
| Cardinal..... | D.S. | Oct. 27, 1946 | 3 | 250 | 1 | 750 | 1 300 |
| Carleton Place..... | D.S. | May 22, 1946 | 3 | 100 | 1 | 300 | |
| de Havilland..... | D.S. | Nov. 1, 1945 | | | | 1 | 1,500 |
| Dumfries..... | D.S. | Sept. 15, 1946 | 3 | 150 | 1 | 450 | 2 75 |
| Dundalk..... | D.S. | Sept. 1, 1946 | 1 | 600 | 3 | 600 | 3 75 |
| Durham..... | D.S. | May 5, 1946 | 1 | 600 | 3 | 600 | 3 150 |
| Elmira..... | D.S. | Nov. 1, 1945 | | | | 3 | 500 |
| Elmvale..... | D.S. | July 5, 1946 | 3 | 100 | 1 | 300 | 3 75 |
| Essex..... | S.C.S. | Jan. 21, 1946 | 2 | 21,000 | 3 | 42,000 | |
| Eugenia..... | G.S. | Sept. 1, 1946 | 1 | 3,000 (Auto) | 3 | 3,000 | |
| Falkenburg..... | D.S. | June 19, 1946 | 3 | 200 | 1 | 600 | 3 100 |
| Fergus..... | D.S. | Nov. 1, 1945 | | | | 3 | 500 |
| General Engineering..... | D.S. | Aug. 22, 1946 | 1 | 600 | 3 | 600 | |
| Glencairn..... | D.S. | Nov. 1, 1945 | | | | 1 | 1,500 |
| Grand Bend..... | D.S. | July 7, 1946 | 3 | 333 | 1 | 1,000 | |
| Green River..... | D.S. | May 1, 1946 | 1 | 600 | 3 | 600 | 1 300 |
| Haley..... | D.S. | May 31, 1946 | 6 | 100 | 1 | 600 | |
| Hamilton Gage..... | T.S. | July 7, 1946 | 1 | 25,000 | 3 | 25,000 | |
| Hanover..... | F.C.S. | Sept. 11, 1946 | | | | 1 | 3,000 (Auto) |
| Kincardine No. 1..... | D.S. | May 19, 1946 | | | | 3 | 75 |
| Kincardine No. 2..... | D.S. | May 19, 1946 | 3 | 100 | 1 | 300 | |
| La Salle..... | D.S. | Dec. 21, 1945 | 3 | 333 | 1 | 1,000 | |
| Leamington..... | D.S. | Sept. 8, 1946 | 3 | 667 | 3 | 2,000 | |
| Lyn..... | D.S. | Feb. 10, 1946 | 3 | 667 | 1 | 2,000 | 3 250 |
| Martintown..... | D.S. | April 26, 1946 | 3 | 200 | 1 | 600 | 3 100 |
| Maxville..... | D.S. | Oct. 25, 1946 | 3 | 200 | 1 | 600 | 3 75 |
| Meaford No. 2..... | D.S. | July 16, 1946 | 3 | 200 | 1 | 600 | 3 50 |
| Millbrook No. 1..... | D.S. | Feb. 22, 1946 | | | | 1 | 100 |
| Millbrook No. 2..... | D.S. | Feb. 22, 1946 | 2 | 100 | 1 | 200 | |
| Newburg..... | D.S. | Jan. 31, 1946 | 1 | 75 | 1 | 75 | 1 37.5 |
| New Toronto..... | D.S. | April 29, 1946 | | | | 1 | 1,500 |
| Nobel..... | D.S. | Sept. 1, 1946 | 2 | 3,000 | 3 | 6,000 | |

CHANGES IN TRANSFORMER CAPACITY DURING YEAR ENDED OCTOBER 31, 1946

| Station | Date | Transformers Installed | | | | Transformers Removed | |
|---------------------------------------|----------------|---------------------------|-----------------------|-----|--------------|-------------------------|-----|
| | | No. | kva | Ph. | Total kva | No. | kva |
| SOUTHERN ONTARIO SYSTEM —Continued | | | | | | | |
| North Ingersoll..... D.S. | June 2, 1946 | 3 | 667 | 1 | 2,000 | 3 | 333 |
| Orangeville No. 1..... D.S. | Sept. 29, 1946 | 3 | 667 | 1 | 2,000 | 3 | 250 |
| Orangeville No. 2..... D.S. | May 8, 1946 | 3 | 333 | 1 | 1,000 | | |
| Pinedale..... D.S. | May 16, 1946 | 3 | 250 | 1 | 750 | 3 | 100 |
| Plattsville..... D.S. | Mar. 22, 1946 | 1 | 600 | 3 | 600 | | |
| Port Dover..... D.S. | June 23, 1946 | 1 | 600 | 3 | 600 | 1 | 300 |
| Port Perry..... D.S. | July 26, 1946 | 3 | 200 | 1 | 600 | 3 | 100 |
| Port Stanley..... D.S. | May 1, 1946 | 3 | 667 | 1 | 2,000 | 3 | 250 |
| Priceville..... D.S. | July 30, 1946 | 1 | 300 | 3 | 300 | 1 | 75 |
| Renfrew..... D.S. | Jan. 6, 1946 | 3 | 200 | 1 | 600 | 3 | 75 |
| Ringwood..... D.S. | April 28, 1946 | 3 | 333 | 1 | 1,000 | 3 | 150 |
| Riverside..... D.S. | Jan. 18, 1946 | 1 | 1,500 | 3 | 1,500 | | |
| Shelburne..... D.S. | Sept. 1, 1946 | 1 | 600 | 3 | 600 | 3 | 100 |
| Sidney..... T.S. | Mar. 12, 1946 | 1 | 21,000 | 3 | 21,000 | | |
| Sidney..... T.S. | Mar. 12, 1946 | 3 | (Regulat'r.) 5,000 | 3 | 15,000 | | |
| Smiths Falls No. 2..... D.S. | Oct. 6, 1946 | 3 | 100 | 1 | 300 | | |
| Stoney Creek..... D.S. | Dec. 17, 1945 | 1 | 600 | 3 | 600 | | |
| Toronto-Fairbank..... T.S. | July 27, 1946 | 1 | 25,000 | 3 | 25,000 | | |
| Trenton..... D.S. | Oct. 31, 1946 | 3 | 100 | 1 | 300 | | |
| Vittoria..... D.S. | Aug. 20, 1946 | 1 | 300 | 3 | 300 | 1 | 150 |
| Walkerville No. 1..... D.S. | Feb. 14, 1946 | 3 | 667 | 1 | 2,000 | 3 | 500 |
| Wallaceburg..... R.S. | Jan. 13, 1946 | 3 | 75 | 1 | 225 | 3 | 50 |
| Walton..... D.S. | July 4, 1946 | 3 | 333 | 1 | 1,000 | 3 | 150 |
| Warkworth..... D.S. | April 28, 1946 | 1 | 300 | 3 | 300 | 1 | 100 |
| West Lorne..... D.S. | Aug. 11, 1946 | 3 | 333 | 1 | 1,000 | 3 | 150 |
| Wilsonville..... D.S. | Dec. 21, 1945 | 1 | 600 | 3 | 600 | | |
| York Mills..... D.S. | Nov. 1, 1945 | | | | | 6 | 300 |
| THUNDER BAY SYSTEM | | | | | | | |
| Nipigon..... D.S. | Mar. 3, 1946 | 2 | 250 | 1 | 500 | | |
| NORTHERN ONTARIO PROPERTIES | | | | | | | |
| Abitibi District | | | | | | | |
| Ramore No. 1..... D.S. | Jan. 20, 1946 | 2 | 25 | 1 | 50 | | |
| Ramore No. 2..... D.S. | April 15, 1946 | 1 | 75 | 1 | 75 | | |
| Sudbury District | | | | | | | |
| Garson..... D.S. | Nov. 24, 1945 | | | | | 3 | 50 |
| Nipissing District | | | | | | | |
| Bingham Chute..... G.S. | Nov. 21, 1945 | 1 | 250 | 1 | 250 | 1 | 75 |
| North Bay..... D.S. | Dec. 20, 1945 | 3 | 333 | 1 | 1,000 | 3 | 100 |
| Patricia District | | | | | | | |
| Red Lake Townsite... D.S. | Dec. 18, 1945 | 3 | 200 | 1 | 600 | | |

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

| System and voltage | Kind of structures | Line route or structure miles | | | Circuit miles |
|------------------------------------------------------|--------------------|-------------------------------|----------------|-----------------------|-----------------------|
| | | Total to Oct. 31, 1945 | Additions 1946 | Total to Oct. 31 1946 | Total to Oct. 31 1946 |
| SOUTHERN ONTARIO SYSTEM | | | | | |
| Niagara division | | | | | |
| 220,000-volt. | steel | 1,025.12 | | 1,025.12 | 1,069.97 |
| 110,000-volt. | " | 812.22 | | 812.22 | 1,400.95 |
| 110,000-volt. | wood | 111.98 | | 111.98 | 113.81 |
| 90,000-volt. | steel | 65.85 | | 65.85 | 120.81 |
| 60,000-volt. | " | 35.23 | | 35.23 | 35.57 |
| 60,000-volt. | wood | 0.25 | | 0.25 | 0.25 |
| 26,400-volt. | " | 884.01 | 14.55 | 898.56 | 1,071.87 |
| 13,200-volt. | " | 252.73 | 4.45 | 257.18 | 324.50 |
| 13,200-volt. | steel | 0.82 | | 0.82 | 1.64 |
| 12,000-volt. | wood | 72.39 | 0.39 | 72.78 | 91.65 |
| Dominion Power district 44,000-volt. . . | steel | 34.97 | | 34.97 | 69.94 |
| Dominion Power district 44,000-volt. . . | wood | 39.68 | | 39.68 | 39.68 |
| Dominion Power district 22,000-volt. . . | " | 28.02 | | 28.02 | 28.02 |
| Dominion Power district 10,000-volt. . . | " | 14.40 | | 14.40 | 14.40 |
| Georgian Bay division | | | | | |
| 110,000-volt. | steel | | 49.68 | 49.68 | 49.68 |
| 110,000-volt. | wood | 25.69 | | 25.69 | 25.69 |
| Bala district 44,000-volt. | " | | 64.44 | 64.44 | 64.44 |
| Eugenia district 44,000-volt. | " | 242.08 | 66.30 | 308.38 | 374.84 |
| Muskoka district 44,000-volt and less. . | " | 26.31 | 12.85 | 39.16 | 39.16 |
| Severn district 44,000-volt & 22,000-volt | " | 110.16 | 128.91 | 239.07 | 285.23 |
| Wasdell district 44,000 & 22,000-volt. . . | " | 82.12 | 8.36 | 90.48 | 91.82 |
| Eastern Ontario division | | | | | |
| 110,000-volt. | steel | 163.23 | 78.47 | 241.70 | 245.01 |
| 110,000-volt. | wood | 336.56 | 1.38 | 337.94 | 338.33 |
| 44,000-volt. | " | 24.33 | | 24.33 | 24.33 |
| 33,000-volt. | " | 42.80 | | 42.80 | 48.48 |
| Central district 44,000-volt and less. . . | " | 500.41 | 4.49 | 504.90 | 543.13 |
| St. Lawrence district 44,000 volt. | " | 144.69 | *0.66 | 144.03 | 144.41 |
| Rideau district 26,400-volt. | " | 62.48 | | 62.48 | 62.48 |
| Madawaska district 33,000-volt. | " | 59.10 | 0.45 | 59.55 | 59.55 |
| THUNDER BAY SYSTEM | | | | | |
| 110,000-volt. | steel | 82.12 | 0.42 | 82.54 | 164.70 |
| 110,000-volt. | wood | 178.21 | | 178.21 | 178.21 |
| 44,000-volt. | " | 113.81 | | 113.81 | 113.81 |
| 22,000-volt. | " | 8.05 | 0.49 | 8.54 | 8.63 |
| 12,000-volt. | " | 1.45 | | 1.45 | 1.45 |
| NORTHERN ONTARIO PROPERTIES | | | | | |
| Abitibi district—132,000-volt. | steel | 362.74 | | 362.74 | 725.48 |
| Abitibi district—132,000-volt. | wood | 190.19 | | 190.19 | 190.19 |
| Abitibi district—26,400 & 13,200-volt. . | " | 151.35 | 26.77 | 178.12 | 179.13 |
| Sudbury district—110,000-volt. | " | 46.23 | | 46.23 | 46.23 |
| Sudbury district—22,000-volt. | " | 61.57 | | 61.57 | 61.57 |
| Nipissing district—22,000-volt. | " | 63.16 | | 63.16 | 80.04 |
| Patricia district—44,000-volt. | " | 345.10 | 3.85 | 348.95 | 348.95 |
| Patricia district—22,000-volt. | " | 32.76 | 0.75 | 33.51 | 33.64 |
| Rainy River district—110,000-volt. . . . | " | 119.81 | | 119.81 | 119.81 |
| Timiskaming district—110,000-volt. . . . | steel | 112.82 | | 112.82 | 225.64 |
| Timiskaming district—110,000-volt. . . . | wood | 74.56 | | 74.56 | 74.56 |
| Timiskaming district—44,000-volt. . . . | " | 247.30 | *11.32 | 235.98 | 235.98 |
| Timiskaming district—12,000 and 11,000 volt. | " | 100.49 | 3.43 | 103.92 | 172.49 |
| Totals. | | 7,489.35 | †458.45 | 7,947.80 | 9,740.15 |

*Removals. †Net increase. ‡Former T. & N.P. Co. circuits are now used at various voltages ranging from 4,000 volts to 110,000 volts.

NOTE: Circuit miles of 220,000-volt line in the Province of Quebec connected to H-E.P.C. lines=103.45. Total 220,000-volt system interconnected circuit miles=1,173.42.

**TRANSMISSION LINE CHANGES AND ADDITIONS MADE
DURING THE YEAR ENDED OCTOBER 31, 1946**

SOUTHERN ONTARIO SYSTEM

HIGH VOLTAGE LINES

The 60,000-volt, single-circuit, wood-pole line from Garner Road junction 1.44 miles to Welland Chemical Corporation was converted from pin-type insulation to suspension-type insulation for 1.10 miles for that customer.

A 110,000-volt, single-circuit, steel-tower line was built from Scarborough frequency-changer station 49.68 miles to Barrie transformer station.

A 110,000-volt, single-circuit, steel-tower line was built from Scarborough frequency-changer station 28.75 miles to Oshawa transformer station.

A 110,000-volt, single-circuit, steel-tower line was built from Merivale Road junction 51.49 miles to Cornwall switching station.

LOW VOLTAGE LINES

Niagara Division

NIAGARA DISTRICT:—The 46,000-volt four-circuit steel towers were removed from Niagara transformer station 13.94 miles to Southworth junction.

DUNDAS DISTRICT:—A 13,200-volt line was built from Hatt Street junction 0.10 mile to Hamilton Cotton Company.

The 13,200-volt line from Aldershot junction 0.11 mile to National Sewer Pipe Company was removed.

LONDON DISTRICT:—A 26,400-volt line was built from Dashwood distributing station 7.53 miles to Grand Bend distributing station.

STRATFORD DISTRICT:—A 13,200-volt line was built from Baden distributing station 0.18 mile to Dominion Linseed Oil Company.

BRANT DISTRICT:—A 26,400-volt line was built from Drumbo junction 4.82 miles to Plattsville distributing station.

Two 26,400-volt tap lines totalling 0.10 mile in length were built to two Brantford Township municipal stations.

The 26,400-volt single-phase line from Silver Street junction 0.30 mile to Dumfries distributing station was converted to three phase.

KENT DISTRICT:—A 26,400-volt line was built from Chatham Street junction 1.17 miles to Blenheim distributing station No. 2.

A section of the 26,400-volt line from Ridgetown junction to Thamesville distributing station, 0.67 mile in length, was relocated and total mileage reduced 0.06 mile.

Two sections of the 26,400-volt line from Thamesville distributing station to Bothwell distributing station, 1.20 miles in length, were relocated and total mileage reduced 0.13 mile.

YORK DISTRICT:—A 26,400-volt line was built from New Toronto distributing station 0.09 mile to Donnell and Mudge Limited.

A 26,400-volt line was built from Horner Avenue junction 0.80 mile to Flintkote of Canada Limited.

A 26,400-volt line was built from Struthers street 0.12 mile to Campbell's Soup Company Limited.

HAMILTON DISTRICT:—A 13,200-volt line was built from Smithville distributing station 0.43 mile to Ralston Purina Limited.

LEASIDE DISTRICT:—A 13,200-volt line was built from West Hill distributing station 4.0 miles to Dunbarton distributing station.

The 13,200-volt line from Cedervale Avenue junction to East York distributing station Number 6 was relocated for 0.25 mile.

PORT COLBORNE DISTRICT:—The 13,200-volt line from Dominion Government Elevator junction 1.61 miles to Canada Cement Company Limited was relocated and total mileage reduced 0.24 mile.

ALLANBURG DISTRICT:—A 12,000-volt line was built from Hayes Steel junction 0.28 mile to Hayes Steel Products Limited.

FAIRBANK DISTRICT:—The 26,400-volt line from Fairbank transformer station to Kodak junction was relocated for 0.31 mile.

DOMINION POWER DISTRICT:—The 13,200-volt line from Burlington distributing station to National Fireproofing junction was relocated for 0.23 mile.

Georgian Bay Division

BALA DISTRICT:—The 44,000-volt line from Ragged Rapids generating station 37.25 miles to Nobel distributing station was purchased from War Assets Corporation.

EUGENIA DISTRICT:—A 44,000-volt line was built from Eugenia generating station 7.02 miles to Sydenham junction.

The 22,000-volt circuit was removed from Flesherton junction 0.80 mile to Sydenham junction.

A section of the 22,000-volt line from Sydenham junction to Dundalk distributing station, 0.91 mile in length, was removed and replaced by 1.17 miles of 44,000-volt line in a new location.

A section of the 22,000-volt line from Dundalk distributing station to Crombie junction, 0.95 mile in length, was removed and replaced by 0.69 mile of 44,000-volt line in a new location.

A section of the 22,000-volt circuit from Eugenia generating station to Priceville distributing station, 0.68 mile in length, was removed and replaced by 0.92 mile of 44,000-volt line.

A section of the 22,000-volt circuit from Hanover junction to Hanover switching station, 0.25 mile in length, was removed and replaced by 0.25 mile of 44,000-volt line.

A section of the 22,000-volt line from Mount Forest junction to Mount Forest distributing station, 0.39 mile in length, was replaced by 0.34 mile of 44,000-volt line.

The 44,000-volt line from Teeswater distributing station to Wingham distributing station was relocated for 3.18 miles.

Fourteen line sections, totalling 93.67 circuit-miles, were reinsulated and placed in service at 44,000 volts.

SEVERN DISTRICT:—The 22,000-volt line from Barrie junction 0.62 mile to Allandale junction was replaced with a 44,000-volt line.

A section of the 44,000-volt, double-circuit line from Camp Borden junction to Barrie junction, 0.31 mile in length, was removed, and replaced by a 44,000-volt, double circuit line 1.44 miles to Barrie transformer station.

A 44,000-volt, single circuit line was built from Barrie transformer station 0.65 mile to Allandale junction.

A 44,000-volt, single circuit line was built from Allandale junction 0.14 mile to Allandale distributing station.

A 44,000-volt, double circuit line was built from Barrie transformer station 1.47 miles to Painswick distributing station, one circuit of which was placed in service temporarily at 22,000 volts.

The 22,000-volt circuit from Fergusonvale auto-transformer station 7.28 miles to Midhurst distributing station was reinsulated for 44,000 volts.

The remaining portion of the 22,000-volt circuit from Midhurst distributing station 1.67 miles towards Camp Borden junction was reinsulated for 44,000 volts.

The 22,000-volt circuit from Fergusonvale auto-transformer station 4.57 miles to Elmvale junction was removed and the 44,000-volt circuit was converted to pole-top-pin construction.

The 22,000-volt line from Elmvale junction 0.42 mile to Elmvale distributing station was removed.

The single-phase, 22,000-volt line from Victoria Harbour junction 1.52 miles to Victoria Harbour distributing station was restrung for three-phase operation with stronger conductor-

The 22,000-volt line from Waubaushene switching station to Coldwater junction was relocated for 0.86 mile.

A 44,000-volt line was built from Thornton junction 7.56 miles to Alcona Beach distributing station and placed in service at 22,000-volts.

Eastern Ontario Division

CENTRAL DISTRICT:—The 44,000-volt line from Whitby municipal station 4.60 miles to Ajax distributing station was purchased from War Assets Corporation.

ST. LAWRENCE DISTRICT:—The 44,000-volt line from Winchester junction 4.61 miles to Williamsburg distributing station was restrung with heavier conductor together with removal of ground cable and conversion to pole-top-pin construction for 4.18 miles.

The 44,000-volt line from Williamsburg distributing station to Winchester distributing station was converted to pole-top-pin construction for 8.50 miles, was restrung with heavier conductor for 8.60 miles, and ground cable was removed from 9.01 miles. A portion of the line was replaced by 0.57 mile of new line, reducing the total mileage by 0.24 mile.

MADAWASKA DISTRICT:—A 33,000-volt line was built from McNab junction 0.25 mile to Stewartville distributing station.

THUNDER BAY SYSTEM

The 110,000-volt steel-tower line from Port Arthur transformer station 0.42 mile to the Thunder Bay Paper Company was purchased from the Public Utilities Commission of the City of Port Arthur.

The 22,000-volt wood-pole line from the Public Utilities Commission of the City of Port Arthur 0.40 mile to the Provincial Paper Company was purchased from the Public Utilities Commission of the City of Port Arthur.

NORTHERN ONTARIO PROPERTIES

ABITIBI DISTRICT:—A 13,200-volt line was built from Murdock Creek junction 1.87 mile to Macassa junction.

A 26,400-volt line was built from Ramore distributing station 0.68 mile to Golden Arrow Mines Limited.

The 26,400-volt circuit from Timmins transformer station 3.31 miles to Paymaster Consolidated Gold Mines Limited was restrung with heavier conductor.

The 26,400-volt circuit from Timmins transformer station 3.25 miles to Ray Hill junction was restrung with heavier conductor.

A 26,400-volt line was built from Armistice junction 0.19 mile to Armistice Gold Mines Limited.

A 26,400-volt tap connection 0.11 mile to Barber-Larder Gold Mines Limited was removed.

A 26,400-volt tap connection was built 0.05 mile to Amalgamated Larder Gold Mines Limited.

A 26,400-volt line was built from Hoyle junction 6.57 miles to Nighthawk junction.

A 26,400-volt line was built from Nighthawk junction 5.40 miles to Aquarius Porcupine Gold Mines Limited.

A 26,400-volt line was built from Nighthawk junction 3.15 miles to Peninsular junction.

A 26,400-volt line was built from Peninsular junction 1.0 mile to Porcupine Peninsular Gold Mines Limited.

A 26,400-volt line was built from Peninsular junction 0.85 mile to Goldhawk Porcupine Mines Limited.

A 26,400-volt line was built from Bonetal Gold Mines Limited 1.08 miles to Porcupine Reef Mines Limited.

PATRICIA DISTRICT:—A 22,000-volt line was built from Pickle Crow Gold Mines Limited (Albany Winoga property) 1.30 miles to Crowshore Patricia Gold Mines Limited.

The 22,000-volt line from Pickle Crow Gold Mines Limited (Albany Wingoga property) 0.55 mile to Albany River Mines Limited was removed.

A 44,000-volt line was built from Rahill Bay junction 2.74 miles to Campbell Red Lake Mines Limited.

A 44,000-volt line was built from Campbell Red Lake Mines Limited 0.92 mile to Dickenson Red Lake Mines Limited.

A 44,000-volt line was built from Howey Bay junction 0.19 mile to Red Lake Townsite distributing station.

SUDBURY DISTRICT:—The 22,000-volt line from Stinson generating station 6.20 miles to Falconbridge Nickel Mines was purchased from that customer.

NIPISSING DISTRICT:—The 22,000-volt line from Sturgeon Falls junction 24.13 miles to North Bay municipal station was restrung with heavier conductor.

TIMISKAMING DISTRICT:—The 12,000-volt line from Kirkland Lake transformer station 1.10 miles to Lake Shore junction was removed.

The 12,000-volt line from Macassa junction 0.34 mile to Macassa Gold Mines Limited was restrung with heavier conductor.

The 44,000-volt line No. 1 from Cobalt transformer station 62.90 miles to Kirkland Lake transformer station was rehabilitated.

The 44,000-volt line No. 2 from Cobalt transformer station 65.80 miles to Kirkland Lake transformer station was rehabilitated.

A 12,000-volt line was built from Hound Chute generating station 6.05 miles to Silanco Mining and Refining Company Limited.

The 12,000-volt double-circuit line from Sandy Falls generating station 3.92 miles to Hollinger switching station was converted to single circuit pole-top-pin construction, reinsulated for 26,400 volts, and ground cable was removed for 3.42 miles.

The 44,000-volt line from Lower Sturgeon generating station 27.81 miles to Schumacher transformer station was rehabilitated and reinsulated for 24.0 miles.

COMMUNICATIONS—ALL SYSTEMS

SOUTHERN ONTARIO SYSTEM

In the Southern Ontario System, an open-wire single telephone circuit was constructed on the new 26,000-volt transmission line between Listowel distributing station and Atwood distributing station for a distance of 5.65 miles. An additional telephone circuit was constructed on existing poles for a distance of 3.67 miles between DeCew Falls generating station and Louth junction. Six telephone circuits were erected on a new telephone pole line for a distance of 8.16 miles between the Welland Ship canal and Pelham junction to replace three deteriorated telephone pole lines.

The deteriorated telephone line including conductor, defective crossarms, insulators and fittings between Eugenia generating station, Flesherton junction, Dundalk junction, Crombie junction and Shelbourne distributing station, a total distance of 31.26 miles, and between Fraxa junction and Grand Valley distributing station, a distance of 6.3 miles, was replaced with a new copper circuit.

A modern telephone building was constructed at Chats Falls transformer station to house the present and future physical and carrier telephone, telemetering and control communication equipment. (See illustration in introduction to Report.) Two tone transmitting and receiving channels were superimposed on the existing carrier channel between Chats Falls and Leaside for telemetering of Chats Falls total generated megawatts and Gatineau total 60-cycle megawatts to the power supervisor's office at Toronto. A telephone carrier channel was superimposed on the present physical telephone circuit between Fairbanks transformer station and Waubashene auto transformer station.

A temporary point-to-point channel was leased between Toronto and Chats Falls to relieve the telephone traffic congestion in the Eastern Ontario division. In addition, a 90-mile telephone circuit with provision for an added carrier channel was leased between Arnprior and Moor Lake in the vicinity of the Des Joachims development.

THUNDER BAY SYSTEM

To provide communication facilities for the construction of the Aguasabon development in the Thunder Bay system, telephone circuit facilities are being provided for a distance of 73 miles between Cameron Falls and Terrace bay. Of this total distance, approximately 55 miles have been provided through the leasing of a telephone circuit between Ozone and Terrace bay.

NORTHERN ONTARIO PROPERTIES

In northern Ontario the existing telephone circuits which were acquired through the purchase of the Northern Ontario Power Company Limited were rehabilitated and re-routed to provide for amalgamation with the existing Hydro telephone circuits in the Timmins, Schumacher, Indian Chutes and Kirkland Lake areas.

DISTRIBUTION LINES AND SYSTEMS IN RURAL OPERATING AREAS

The following summary shows the mileage of distribution lines constructed by the Commission in rural operating areas and the number of consumers served.

The summary indicates a total net increase in construction during the year of 1,189 miles of new primary line completed and giving service to 16,802 additional consumers.

SUMMARY OF CONSTRUCTION IN RURAL OPERATING AREAS

| System and division or district | At October 31, 1945 | | At October 31, 1946 | | | | | |
|--------------------------------------|----------------------------------------------------|-------------------------------------------------------------|-----------------------|-------------------------------------------------------|--------|-------------------------------------|----------------------|---------|
| | Miles of primary line con- structed | Number of con- sumers re- ceiving service | Miles of primary line | | | Number of consumers | | |
| | | | Con- structed | Under con- struc- tion or author- ized | Total | Re- ceiv- ing ser- vice | Au- thor- ized | Total |
| | | | | | | | | |
| SOUTHERN ONTARIO SYSTEM | | | | | | | | |
| Niagara division. | 12,419 | 95,679 | 12,836 | 334 | 13,170 | 104,003 | 1,568 | 105,571 |
| Georgian Bay division. | 3,411 | 22,698 | 3,683 | 176 | 3,859 | 26,279 | 601 | 26,880 |
| Eastern Ontario division. | 5,082 | 32,532 | 5,496 | 303 | 5,799 | 36,888 | 1,269 | 38,157 |
| THUNDER BAY SYSTEM | 301 | 1,592 | 303 | 9 | 312 | 1,677 | 47 | 1,724 |
| NORTHERN ONTARIO PROPERTIES | | | | | | | | |
| Abitibi district. | 66 | 297 | 75 | 14 | 89 | 378 | 32 | 410 |
| Manitoulin district. . . | 165 | 1,099 | 167 | 0 | 167 | 1,194 | 2 | 1,196 |
| Sudbury district. | 34 | 1,645 | 66 | 31 | 97 | 1,768 | 360 | 2,128 |
| Nipissing district. . . . | 91 | 1,018 | 95 | 13 | 108 | 1,175 | 112 | 1,287 |
| Rainy River district. . . | | | 37 | 25 | 62 | 0 | 252 | 252 |
| Totals. | 21,569 | 156,560 | 22,758 | 905 | 23,663 | 173,362 | 4,243 | 177,605 |

SECTION VIII

RESEARCH, TESTING AND INSPECTION

THROUGHOUT 1946, the Laboratories, freed from war research activities, were able to concentrate upon the Commission's research problems relating to the operation of the power systems, both upon those for which early solution is possible and those which are long range problems. Studies set aside during the war were renewed and many new ones were started.

Electrical insulation, methods of grounding, the preservative treatment of wooden poles, the protection of building structures against lightning, the improvement of concrete and construction methods, paints and protective coatings, petroleum products, and illumination are matters of perennial interest and importance.

Factory inspection of materials and fabricated equipment such as generators, transformers, oil circuit breakers, metalclad switchgear, transmission towers and conductors are routine practice and in connection with new power developments a close check is maintained upon the progress of all important items of equipment through the factories and at the power development site.

The work of the Approvals laboratory increased appreciably. In the case of some items more than twice the work done in the previous year was required; this would indicate that increased demands for the items submitted are emphasizing any shortages that may exist in the production of raw material.

As usual members of the laboratory staff assisted in matters pertaining to the Canadian Electrical Code and in preparing specifications for electrical equipment. In this connection, methods of suppressing radio interference received attention.

Among matters of special interest may be mentioned the new automatic electric storage water heater for residential use, an echo-ranging device of the radar type for locating faults on power transmission lines and telephone lines, and a similar device for detecting cracks in massive concrete structures. These are mentioned again in this report.

RESEARCH AND TESTING LABORATORIES

Research

The research work of the Commission is organized under a main research committee of five department heads. The agreed programme is carried out in the Laboratories or in the field by subcommittees each of which studies some specific problems associated with the operation of the various power systems. The research study of the past year is summarized briefly as follows:

Electrical Insulation

An extensive series of non-destructive insulation tests was undertaken upon certain equipment in service in order to appraise different methods of testing for incipient failures. This work included tests on generators, transformers, and oil circuit-breakers over a wide range of voltage rating. In previous years, the bushing stick has been used very widely on the Commission's systems for gradient tests on bushings to locate incipient failures, and thus prevent power interruptions, and the successful results obtained by its use have been mentioned in earlier annual reports.

Various devices, known as klydonographs, were installed on several station structures to record the magnitude of lightning strokes. The outstanding information of value secured was the incidence and intensity of strokes commonly received at these structures and the nature and amount of insulation required in the equipment, i.e., a check on the safety factor existing in the insulation, and providing information of value for future station design.

The burning of wood poles, cross-arms and pins due to leakage currents from power lines is a potential menace to continuity of electrical distribution, especially in rural areas. The conditions leading to them have been investigated carefully and remedial measures proposed which give promise of satisfactory protection.

Grounding

During the past few years, electrocutions of cattle have become a serious problem. Investigation revealed that these electrocutions frequently were due to insulation failures in wiring or apparatus, and also to unsatisfactory grounding conditions.

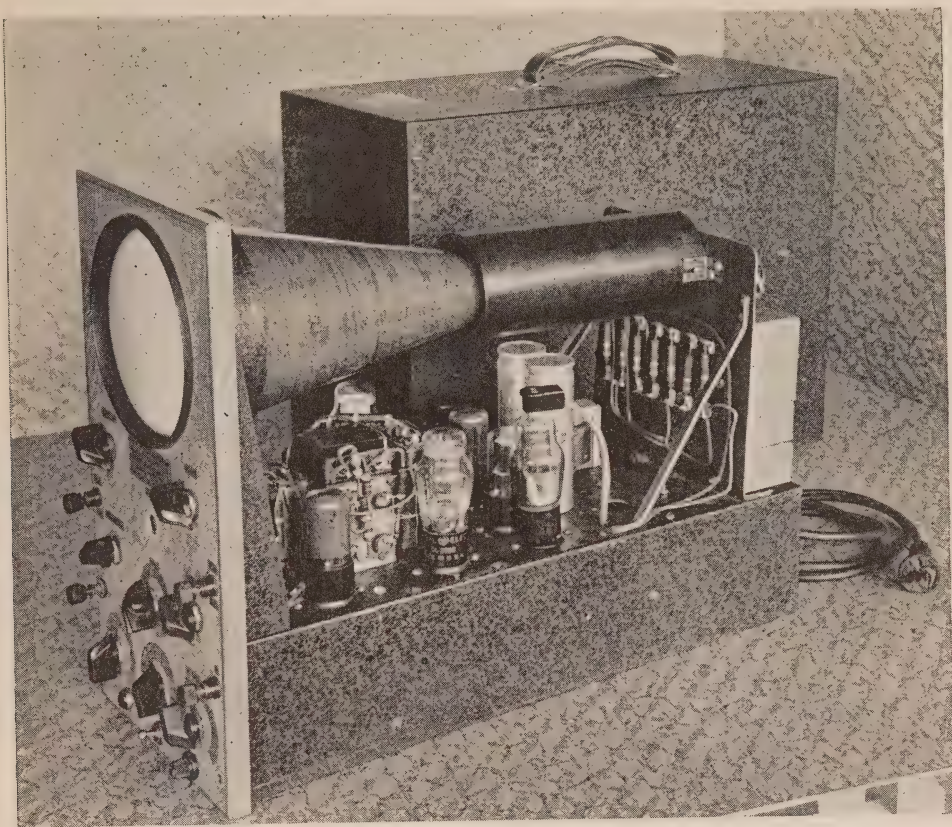
Studies regarding grounding have led to improvements in ground resistances, in methods of making grounds, and in rectification of hazardous conditions where unknown defects were found.

Joints in Electrical Conductors

Abnormal heating of improperly-made joints in aluminum conductors may cause service interruptions. The trouble in unsatisfactory jointing is due primarily to insufficient cleaning and the failure to exclude air and moisture between conductors and the enclosing envelopes. Proper cleaning and improved fabricating methods for joints in aluminum and steel-reinforced aluminum conductors are given in a specification prepared. The new methods have already demonstrated their value.

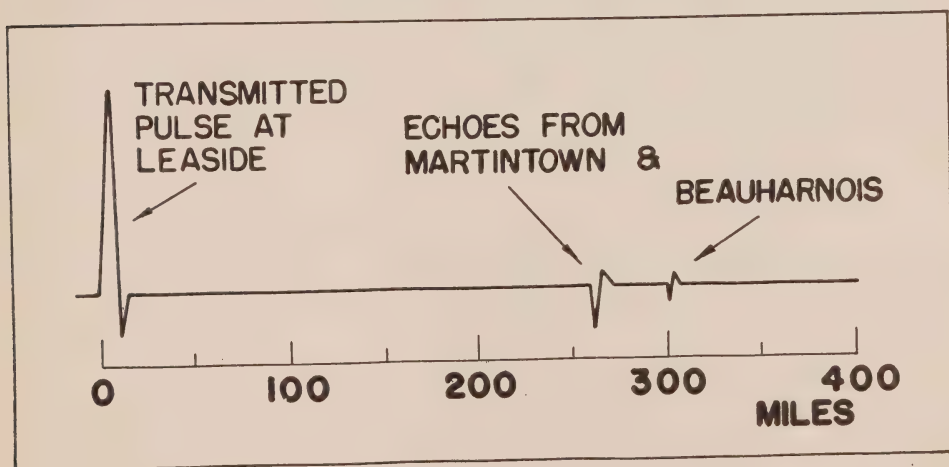
Vibration of Line Conductors

A subcommittee which, for some years, has been studying methods of suppressing vibration of line conductors, co-operated with other utilities in



LOCATING FAULTS ON TRANSMISSION LINES

Echo-ranging electronic device built at the Laboratories, using radar techniques at audio frequencies for detecting faults on power transmission or telephone lines, identifying the type of fault and determining its distance along the line



LOCATING FAULTS ON TRANSMISSION LINES

Typical record obtained on echo-ranging electronic instrument

the United States and Canada, and has prepared a programme of co-operative research in which each will participate to get results with minimum duplication and maximum efficiency. The National Research Council at Ottawa expressed a desire to assist in these studies and offered the use of its wind tunnels in which various conditions may be duplicated and studied.

The bibliography on vibration of conductors was revised and a new printed edition was issued.

Treatment of Wooden Transmission Structures

The use of pentachlorophenol, introduced in 1935 as a wood preservative, was followed closely. A large number of poles were treated and, from their appearance and from laboratory tests, these poles were very satisfactory.

Domestic Hot Water Tanks and Heaters

The new method of applying flat-rate heaters to domestic hot water tanks was developed further. This involves an improved type of strap-on heater, with two such heaters per tank controlled by thermostats to give preference in heating the water in the upper part of the tank to 165°F and to supply a larger amount of hot water on a flat-rate basis than with the method now in common use, i.e., with only one flat-rate heater mounted in a lower position on the tank. The new method does not employ a booster heater and consequently eliminates metered charges in the heating of water for domestic use.

Some modifications have been made in the fabrication of domestic hot water tanks to insure better galvanizing, and a specification has been prepared for the manufacture of the modified tank in 30 and 40 Imperial gallon sizes.

A specification was prepared for the manufacture of a packaged Automatic Electric Storage Water Heater, completely assembled and ready for installation, requiring only the coupling of the hot and cold water connections and two service wires for 115 volt supply at either 25 or 60 cycles. This packaged unit will consist of one tank fitted with two strap-on heaters of equal rating, with two thermostats to control and limit the heating of water, and having the tank, heaters, and thermostats enclosed beneath a layer of rock wool for heat insulation.

Electronic Applications

The associated studies of direct current transmission of power and electronic frequency conversion were continued, these subjects being extended to include alternating current transmission above 300 kv. Information on all these topics was gathered for the purpose of preparing bibliographies and for further investigational study.

Radar techniques were applied for the location of faults on power transmission lines and open-wire telephone circuits using an echo-ranging electronic device built at the Laboratories. Tests on the 230-kv power line from Beauharnois to Leaside transformer station detected positively both line-to-line and line-to-ground specially applied faults and determined their



DETECTION OF FAULTS IN CONCRETE STRUCTURES

A novel application of sound waves to detect cracks in the interior of concrete structures

locations very closely. The type of fault, whether open-circuit or short-circuit, could readily be identified by this equipment. This method of locating faults reduces appreciably the amount of patrolling necessary in the event of trouble. Intermittent faults, which are often difficult to locate, may be found readily by this method.

A special amplifier for use on current transformers with an instrument to indicate currents that are too low in value to be read on usual switchboard ammeters was designed and will be used for checking the balance of currents in different phases at low loads and for comparing small currents in different circuits. The need for a device of this type has been felt in the operation of transmission systems.

Radio Interference

A shielded cage in which radio interference tests may be conducted has been provided for use at the Laboratories.

Tests were made to determine the value, in attenuating radio frequency voltages, of powdered iron magnetic paths surrounding the conductors of a transmission line. This was the beginning of an investigation of a method of suppressing radio interference by limiting the travel of the cause along transmission conductors and thus reducing its range of influence.

Masonry Materials

A large amount of development work was done to enable internal cracks in concrete structures to be detected and investigated by means of supersonic waves.

The instrumentation of Stewartville dam, i.e., the installation in the concrete of devices for measuring temperatures, stresses and strains, was approved and plans for this work were prepared.

A series of comparative tests was made on six Canadian cements to determine their relative physical properties and hydration characteristics. Studies were conducted on air-entraining agents to obtain information as to their use, and advantage, if any, in lean mixtures to reduce the quantity of cement necessary and hence to lower the temperature rise in mass concrete. In tests during this year, however, these were not proved to be of any benefit.

Active study of many problems associated with the durability and repair of concrete was continued and two papers were presented at the last annual convention of the American Concrete Institute in February—one on "Temperature Changes in Concrete as affected by Solar Radiation," and the other an introductory paper on "The Repair of Concrete."

Paints and Protective Coatings

Tests on black finishes for equipment were completed and those finishes used during the year were selected on the basis of these test results.

For purposes of study, certain experimental paints, including phenolic base finishes and emulsified pitch, were applied on head gates at one generating station where corrosion was excessive due to the larvae of the caddis fly.

Petroleum Products

Different methods and materials for treating used oils were examined and studied.

A large amount of work was done in studying oil additives for various purposes and a report was prepared giving the nature and particular use of various additives covering about 1,500 different materials.

The stability of insulating oils was studied to provide further information for a revision of the existing specifications.

In co-operation with the American Society for Testing Materials, dielectric tests were made on insulating oils to establish test procedures and with a view to revising the specification covering dielectric strength of such oils.

The effect of high frequencies on insulation quality of oils was studied.

Illumination

Methods and arrangements for illumination of interiors of public buildings and residences were studied with a view to the best distribution of light and a large amount of testing was done with the school classroom model at the Laboratories in order to standardize lighting as much as possible. A new method of blackboard lighting was developed to produce better results and at lower cost than before. The effect of paint of different color on ceilings and walls of classrooms was studied to determine the efficiency of a school lighting system. Here, the ceiling was the most important factor in controlling the intensity of illumination.

Space Heating

Features in the heating of dwellings, schools and public buildings under the climatic conditions of Ontario were studied and some consideration was given to heating by reversed cycle refrigeration. Dielectric and induction heating, by high frequency voltages and currents respectively, were also studied with the intention of building up a store of information on this and the other methods of heating mentioned.

Routine Testing, Materials and Equipment Inspection

The Laboratories have increased their activities in nearly all branches of the work of routine testing of materials and various types of equipment, and in factory inspection and acceptance witness testing of power equipment purchased for the Commission and for municipalities. By this service, the quality in materials and workmanship in the equipment is checked and satisfactory operating characteristics are assured.

Electrical Equipment

Factory inspection of generating equipment under construction but not completed within the year, included—one 64,000-kva generator for DeCew Falls, three 24,000-kva generators for Stewartville development on the Madawaska river, three 22,500-kva generators for Aguasabon, three 25,000-kva, 25/60-cycle frequency-changers for the new Scarborough station and a new 6,000-kva unit for Ear Falls generating station.

Factory inspection, together with final acceptance tests on completed transformers of various ratings, included 141 units having total capacity of 185,383 kva, some of these being 22,000-kva transformers. Forty-one oil circuit breakers, with total capacity of 1,953,933 kva, and 119 air break disconnecting switches, 8,864,790 total kva, were inspected, which represent large increases in both types of equipment.

Distribution transformers of various ratings were inspected and tested to the total of 9,131 units, more than twice the quantity tested last year. Transformer cutouts and fused switches tested amounted to 12,875. Over 225,000 line and bus insulators were inspected.

Routine tests were made in the Laboratories of 5,890 pairs of linemen's rubber gloves and on 1,305 samples of insulating oil. Special tests were made on 1,711 samples of oil.

Instrument and distribution transformers, totalling 1,398, were tested, and also 26 motors of various types and ratings. More than 800 thermostats were tested. Insulators to the number of 3,371 were given flashover tests; 7,638 watt-hour meters were repaired and 461 indicating instruments calibrated.

Mechanical and Structural Equipment

Inspection was completed on two 28,000-horsepower runners of improved design for the turbines at Barrett Chute generating station.

A large amount of inspection work was started on equipment that was not completed during the year, including one 75,000-horsepower hydraulic turbine for DeCew Falls generating station, three 28,000-horsepower turbines for Stewartville development, one 25,000-kva frequency-changer set for Scarborough, two head gates with hoists, and two tainter gates with hoists for DeCew Falls.

At the request of the Department of Reconstruction and Supply, the Laboratories inspected a large quantity of equipment for the United Nations Relief and Rehabilitation Administration. This included twenty complete steam-electric plants for isolated stations, each to deliver 625 kva at 400 volts, 50-cycles, three-phase, with welded boiler, coal conveyor, stoker, surface condenser, multistage steam turbine with oil relay governor, gear

speed reducer, generator, direct-connected exciter, and control and feeder panels, also all necessary accessories, such as forced draft fans, electrically driven pumps, feed water treating and pumping unit, stack, piping, and cooling towers.

Under the same request, thirty-seven generators, belt-driven exciters and control panels were inspected. These were for Diesel driven sets.

Concrete

Four resident inspectors assisted by seven inspectors supervised concrete work on construction projects at Stewartville, DeCew Falls and Aguasabon generating stations and at Kipling transformer station. The inspectors test the aggregates, check the mixtures and quality of concrete and supervise the placing of the concrete in the prepared forms.

Field surveys were made in search of concrete materials at five sites near to proposed projects.

Microscopical Examinations

About 136 microscopical examinations were made of materials used in fabrication and construction to determine the quality of steel castings, welds and machine parts.

Transmission Line Materials

The Laboratories inspected transmission line materials that passed through Strachan Avenue stores. These included cross arms, brackets, insulator pins, clamps, general hardware, wire and cable. Copper wire and cable, galvanized steel cable, and steel-reinforced aluminum cable amounted to 3,656 tons.

Steel and Timber

Structural and reinforcing steel to the total of 5,709 tons were inspected. This is nearly 11 times the amount of steel examined last year. More than 225,100 pine and cedar poles were inspected for extensions to distribution systems.

Chemical Testing

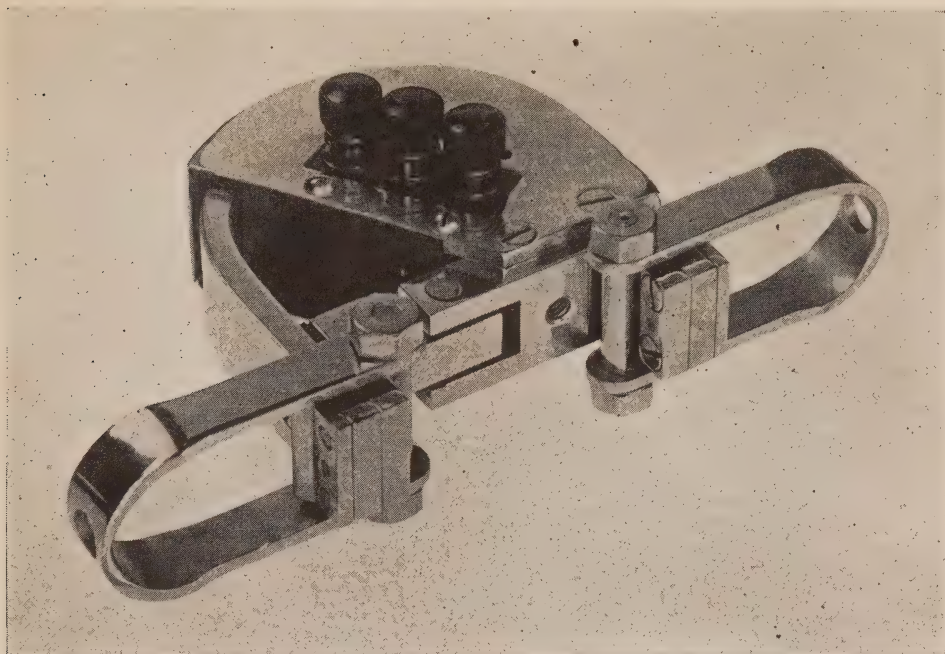
Chemical tests were made of 53 samples of paints used by the Commission on construction projects. This quantity represents fewer tests than were made last year, and this was due to the uncertainty of the supply of raw materials, necessitating so much substitution. Accelerated aging tests were made to give information as to the probable life of paints and their protective values.

Lamps and Lighting Equipment

The number of lamps covered by Laboratory inspection was 1,229,566. Life tests were made on 4,469 lamps.

New Equipment

Some of the more important items of equipment purchased are: a 120,000 pound capacity Tate Emery testing machine, a set of Johansson gauge blocks, a supermicrometer, portable gasoline-electric set to supply 60-cycle current for field tests, equipment for examining microstructure of various materials, a gauge for measuring the thickness of protective coatings of paint and



CALIBRATION OF TENSILE TESTING MACHINES

The link dynamometer developed at the Laboratories, is used with an amplifier and indicating instrument to provide a very sensitive means of determining loads applied for calibration. The dynamometer forms two arms of an electrical bridge-type circuit

varnish, and various electrical test instruments, including a double-beam cathode ray oscillograph and two cathode ray oscilloscopes, two electronic voltmeters, precision Schering bridge for use as a standard in measuring capacitance, a megohm bridge for laboratory and field studies, a portable potentiometer, about seventy indicating instruments, seven instrument transformers, and eleven new shunts.

New transformer, rectifying tubes, and a contact panel for the X-ray machine were purchased and installed.

Equipment was purchased for the Chemical Laboratory to be used for analyses by the electrical deposition of metals, a sieving machine for the mechanical analysis of soils and concrete aggregate, a sample splitter for sand, and a strain indicator for use with bonded wire strain gauges.

Equipment for conducting bleeding tests on concrete mixtures was constructed and installed. The 100,000 pound capacity Olsen testing machine was reconditioned and painted. The dark room was removed from the third to the first floor and the processing tank was reconditioned.

A link dynamometer was designed for calibrating low-capacity pendulum-type tensile testing machines.

Specification and Committee Work

The Commission was represented by members of the Laboratories' staff at meetings, conventions, and conferences of the following organizations, and assistance was given in preparation of specifications and in other com-

mittee activities. Canadian Standards Association, American Standards Association, National Research Council, Ontario Research Commission, Canadian Electrical Association, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, American Society for Testing Materials, Chemical Institute of Canada, Canadian Manufacturers Association, Canadian Radio Technical Planning Board, Canadian Institute of Mining and Metallurgy, Ontario Municipal Electric Association, Association of Municipal Electrical Utilities, Illuminating Engineering Society, Dominion Board of Fire Underwriters, International Association of Electrical Inspectors and Department of Reconstruction and Supply.

APPROVALS LABORATORY

Growth of the business of testing and reporting upon electrical equipment submitted for approval was apparent in all branches of the work and in many cases was quite large. Applications for all types of equipment increased 120 per cent, the larger increases being in the electrically-heated and lighted types, with radio and motor-operated appliances not far behind.

The number of approval labels sold increased 31 percent, indicating that shortages in many lines of electrical material may be due to increased demands rather than to a drop in the production of raw material. The footage of wire, cable and conduit, represented by labels sold, increased 36 percent.

This large increase in business necessitated a further increase in the technical and clerical personnel, and additional office, testing and storage space.

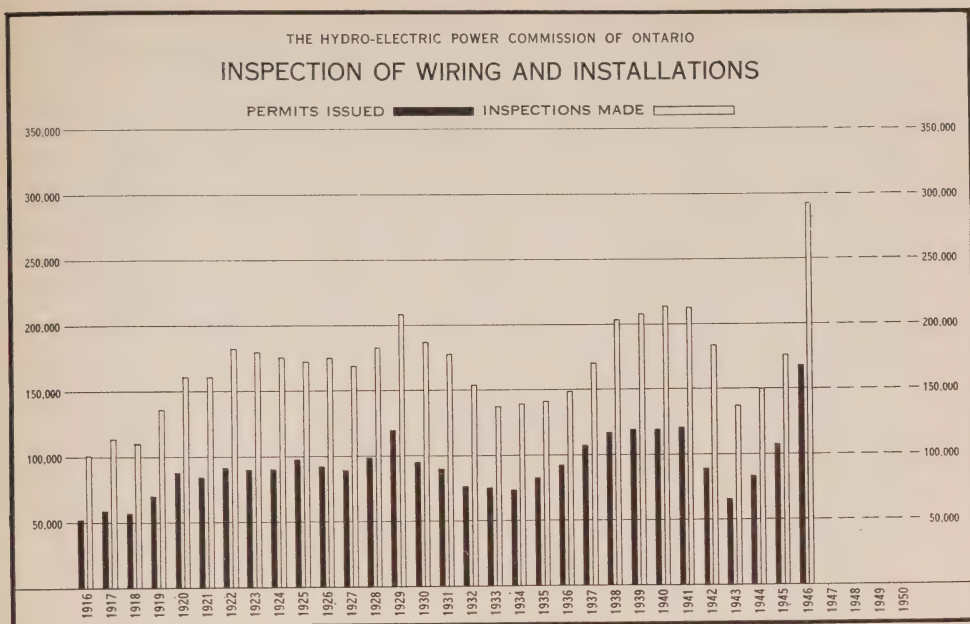
Members of the staff attended meetings of the Approvals Administrative Board, the Approvals Council and of the Canadian Electrical Code committees, Parts I, II and IV. The approvals engineer also attended meetings of the Canadian Standards Association fire hazards committee.

Canadian Electrical Code

A large amount of work is done each year in regard to the Canadian Electrical Code on electrical installations which includes attendance at meetings of the central committee and issuing interim revisions and interpretations. Approvals specifications for electrical equipment are prepared in draft and final form and also interim revisions of published specifications. Attendance is required at meetings of the committee. Work on radio interference includes preparation of drafts of parts of specifications to improve methods of suppressing radio interference and also requires attendance at meetings of the committee and of panels and subpanels of the main committee.

ELECTRICAL INSPECTION

The Electrical Inspection department is entrusted with the enforcement of the rules and regulations governing electrical installations in Ontario. These rules establish essential requirements and minimum standards for the installation and maintenance of electric wiring and equipment. In their preparation and revision consideration is given to the prevention of fire and injury to persons.



The volume of inspection work handled during the fiscal year 1946 was the greatest in the history of the department. The accompanying graph shows the number of permits issued and inspections made during the fiscal years 1916 to 1946 inclusive.

Statistical

Permits issued authorizing the installation of electric wiring and equipment numbered 168,154, an increase of 59,920, or 55.4 per cent over the previous year. Inspection made numbered 292,861, an increase of 116,926 or 66.5 per cent.

A total of 1,112 applications for special inspection of electrical equipment were received from manufacturers of custom-built apparatus and from manufacturers who do not produce in sufficient quantity to warrant the cost of Canadian Standards Association approval. This was an increase of 430, or 63 per cent.

Fires Attributed to Electricity

Investigations were made of numerous fires assumed and reported to have been caused by defective wiring or equipment. In only three instances could it be proved that the fires were of electrical origin. There were, possibly, other fires due to electrical causes, but direct evidence was destroyed by the fire.

Electrocutions and Fatal Accidents

Nine persons were accidentally electrocuted through contact with electric wiring or equipment. The individual causes are summarized hereunder:

1 Stationary engineer was replacing crane collector wires in insulators. Circuit was not known to be alive. Potential 550 volts.

2 Electrician was repairing equipment connected to a circuit he had de-energized. The circuit was made alive by some other person. Potential 550 volts.

3 A workman was using an electric drill while repairing a boat. The drill was not grounded and proved to have been defective. Potential 115 volts.

4 A crane operator came into contact with live parts of equipment in the control cab. Potential 230 volts D.C.

5 A man attempted to remove a lamp bulb from a brass socket while standing on damp ground. The socket was defective. Potential 117 volts.

6 A boy came into contact with an elevator control panel in a penthouse. Potential 550 volts.

7 A child touched a bare conductor while at play. This wire had been run as a temporary measure and was within reach. Potential 220 volts.

8 A man, using equipment connected to power supply by means of a portable cable, touched a defective part of the cable. Potential 550 volts.

9 A woman was using a portable electric heater in a bathroom. She apparently touched it while in the bath. Potential 115 volts.

Accidents—Cattle

Two cows were electrocuted through contact with stanchions. In each instance, the stanchions had become charged as the result of a breakdown in the insulation of the wiring system.

Ground Tests

A total of 2,777 tests were made of consumer's artificial ground electrodes in rural areas, an increase of 277 tests over the previous year.

Infractions of Regulations

Twenty-one persons or companies were prosecuted for various infractions of the rules and regulations governing the installation of electric wiring and equipment.

Canadian Electrical Code

During the past year members of the Electrical Inspection department attended numerous meetings in connection with the preparation of the final draft of the Canadian Electrical Code, Part I. This Code is incorporated in The Hydro-Electric Power Commission of Ontario, Rules and Regulations Governing Electrical Installations and Equipment in Ontario.

The revision of the Canadian Electrical Code, Part I, has been completed with the exception of editorial changes, and the revised Code will be published in 1947.

SECTION IX

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission on
behalf of Co-operating Municipalities of the Southern Ontario
System (Niagara, Georgian Bay and Eastern Ontario Divisions)
and the Thunder Bay System,

and to

Northern Ontario Properties Held and Operated by the Commission
in Trust for the Province of Ontario, and

The Hamilton Street Railway Company—A Subsidiary of
the Southern Ontario System

IN this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main Hydro undertaking comprising the Southern Ontario system (Niagara, Georgian Bay and Eastern Ontario divisions), the Thunder Bay system, and Rural Power districts associated with these two systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a wholly-owned subsidiary of the Southern Ontario system.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the Hydro undertaking in supplying electrical service at cost, and to the wholesale and retail aspects of the work. A description is also given of the systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the Southern Ontario and Thunder Bay systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the two systems. These tables include a **balance sheet; a statement of operations** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, account with the Provincial Treasurer of the Province of Ontario, funded debt issued or assumed, power accounts receivable, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves and sinking fund reserves.**

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment remaining at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. In general each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use,* together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,† when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, and for contingencies and obsolescence. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating

*Subject to maximum rate; see footnote on page 150.

†The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities however, ends on December 31, and the municipal accounts are made up to this date, and are so recorded in Section X.

capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

Tabular Data

The following comments relate to the tabular data presented:

Balance Sheet.—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities and reserves of the co-operative systems.

Statement of Operations.—This statement is a summary of operating expenses and fixed charges as shown in the “cost of power” tables and rural operating statements relating to the individual systems as referred to more particularly below.

Fixed Assets.—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, showing in separate classifications the values of plant under construction and in service, depreciable and non-depreciable and supplemented by a statement showing expenditures, adjustments and retirements occurring during the year.

Capital Expenditures and Grants—Rural Power Districts.—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

Account with the Provincial Treasurer.—This schedule lists, both for the systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties’ balance sheet.

Funded Debt Issued.—This schedule presents a complete list of the outstanding securities issued by the Commission on account of the systems, and the Northern Ontario Properties. It should be

noted that securities issued to finance Northern Ontario Properties are shown only in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheet of the Northern Ontario Properties.

Power Accounts Receivable.—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the "credit or charge" statements for municipalities. The amounts of debit balances three months or more overdue are stated.

**Renewals Reserves,
Contingencies and Obsolescence Reserves, and
Stabilization of Rates Reserves.**

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

Sinking Fund Reserves.—This schedule summarizes the appropriations of principal and interest with respect to these reserves for each of the systems and certain other properties.

Following these statements, which are common to all systems, there are given for each of the co-operative systems four tabular statements as follows:

Cost of Power statement, which shows the apportionment to each municipality of the items of cost summarized in Statement of Operations, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "cost of power supplied by H-E.P.C."

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

Rural Operating statement, which summarizes for the rural power district of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

Northern Ontario Properties

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating account, schedules of fixed assets, renewals reserve, contingencies and obsolescence reserve, and sinking fund reserve. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

The Hamilton Street Railway Company

This wholly-owned subsidiary of the Southern Ontario System; has been operated by the Commission from January 1, 1930 to September 15, 1946. Ownership by the Commission terminated September 15, 1946, by the sale of all the issued shares of the Company. An operating statement to that date is presented.

Municipal Utilities

All municipal Hydro utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local Hydro utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts," relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

Auditing of Accounts

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**FINANCIAL ACCOUNTS**

For the year ended October 31, 1946

**Relating to Properties operated on a "Cost Basis" for the Co-operating
Municipalities and Rural Power Districts which are supplied with
Electrical Power and Services from the following Properties:**

Southern Ontario System

Thunder Bay System

**Service and Administrative
Buildings and Equipment**

STATEMENTS

Balance Sheet as at October 31, 1946

**Statement of Operations and Cost of Power for the year ended
October 31, 1946**

Schedules supporting the Balance Sheet as at October 31, 1946:

Fixed Assets—By Systems and Properties

Fixed Assets—Changes during year

Capital Expenditures and Grants—Rural Power Districts

Account with the Provincial Treasurer of the Province of Ontario

Funded Debt Issued or Assumed

Power Accounts Receivable

Renewals Reserves

Contingencies and Obsolescence Reserves

Stabilization of Rates Reserves

Sinking Fund Reserves

Statements for Municipalities Receiving Power under Cost Contracts

THE HYDRO-ELECTRIC POWER SOUTHERN ONTARIO AND

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:

| | |
|----------------------------------------------------------|------------------|
| Southern Ontario system | \$325,335,998.53 |
| Thunder Bay system | 23,446,766.23 |
| Service and administrative buildings and equipment | 4,426,321.08 |

\$353,209,085.84

Less: Grants-in-aid of construction:

| | |
|-----------------------------------------------------|---------------|
| Province of Ontario—for rural power districts | 23,802,911.32 |
|-----------------------------------------------------|---------------|

\$329,406,174.52

CURRENT ASSETS:

| | |
|----------------------------------------------|--------------|
| Employees' working funds | \$ 97,501.90 |
| Sundry accounts receivable | 542,380.22 |
| Power accounts receivable | 3,366,029.46 |
| Rural power district grants receivable | 746,713.13 |
| Interest accrued | 656,200.65 |

Consumers' and contractors' deposits:

| | |
|-------------------------------|--------------|
| Cash deposits | \$ 41,062.43 |
| Securities—at par value | 1,037,250.00 |

1,078,312.43

| | |
|-------------------|-----------|
| Prepayments | 43,412.05 |
|-------------------|-----------|

6,530,549.84

INVENTORIES:

| | |
|-----------------------------------------------------------|----------------|
| Construction and maintenance materials and supplies | \$5,918,040.88 |
| Construction and maintenance tools and equipment | 2,717,702.01 |
| Office equipment | 143,684.96 |

8,779,427.85

DEFERRED CHARGES AND SUNDRY ASSETS:

| | |
|---------------------------------------------|---------------|
| Unamortized discount on debentures | \$ 399,637.85 |
| Sundry investments | 234,125.00 |
| Agreements and mortgages | 23,168.75 |
| Rural district loans | 1,448.29 |
| Work in progress—deferred work orders | 525,622.52 |

1,184,002.41

RESERVE FUND INVESTMENTS:

Investments in government and government guaranteed bonds, at amortized cost:

| | |
|-------------------------------------------|----------------|
| Employers' liability insurance fund | \$1,018,943.53 |
| Pension fund | 10,865,294.26 |
| Other reserves | 69,328,686.54 |

81,212,924.33

\$427,113,078.95

COMMISSION OF ONTARIO

THUNDER BAY SYSTEMS

OCTOBER 31, 1946

LIABILITIES AND RESERVES

LONG TERM LIABILITIES (at par of exchange):

| | | |
|--------------------------------------------------------------------|-------------------------|--|
| Funded debt..... | \$103,623,000.00 | |
| Less—debentures issued to finance Northern Ontario Properties..... | 30,833,600.00 | |
| | <u>\$72,789,400.00</u> | |
| Advances from the Province of Ontario..... | \$91,967,327.14 | |
| Less—advances for Northern Ontario Properties..... | 5,497,903.65 | |
| | <u>86,469,423.49</u> | |
| Purchase agreements and mortgages..... | 53,648.24 | |
| | <u>\$159,312,471.73</u> | |

CURRENT LIABILITIES:

| | | |
|------------------------------------------------------------|----------------------|--|
| Bank overdraft—secured..... | \$2,966,373.27 | |
| Accounts and payrolls payable..... | 3,644,082.90 | |
| Power accounts—credit balances..... | 474,287.78 | |
| Northern Ontario Properties—current account..... | 2,640,728.47 | |
| Advances from the Province of Ontario for rural loans..... | 1,454.94 | |
| Consumers' and contractors' deposits..... | 1,138,391.39 | |
| Debenture interest accrued..... | 696,717.57 | |
| Miscellaneous accruals..... | 570,713.02 | |
| | <u>12,132,749.34</u> | |

| | |
|------------------------------------------------|--------------|
| RURAL POWER DISTRICTS—rates suspense, net..... | 3,315,848.60 |
|------------------------------------------------|--------------|

RESERVES:

| | | |
|-------------------------------------|-------------------------|--|
| Renewals..... | \$70,796,731.04 | |
| Contingencies and obsolescence..... | 54,227,330.63 | |
| Stabilization of rates..... | 19,982,863.64 | |
| Fire insurance..... | 176,232.36 | |
| | <u>\$145,183,157.67</u> | |
| Employers' liability insurance..... | 1,467,306.97 | |
| Pension fund..... | 11,373,917.04 | |
| Savings and retirement fund..... | 284,515.56 | |
| Miscellaneous..... | 807,069.49 | |
| | <u>159,115,966.73</u> | |

SINKING FUND RESERVE:

| | | |
|---------------------------------------------------------------------------------------|-------------------------|--|
| Represented by funded debt and provincial advances retired through sinking funds..... | 93,236,042.55 | |
| | <u>\$427,113,078.95</u> | |

Contingent liability under uncompleted contracts for the construction of fixed assets, approximately \$8,000,000.

Auditors' Report

We have made an examination of the balance sheet of the Southern Ontario and Thunder Bay Systems of The Hydro-Electric Power Commission of Ontario, as at October 31, 1946 and of the attached statement of operations for the year ended on that date. In connection therewith we reviewed the system of internal control and the accounting procedures of the Commission, and, without making a detailed audit of the transactions, have examined or tested accounting records of the Commission and other supporting evidence by methods and to the extent we deemed appropriate.

We report that in our opinion the foregoing balance sheet and related statement of operations (as more fully reported upon by us to the Lieutenant-Governor in Council) have been drawn up so as to exhibit a true and correct view of the state of the affairs of the Southern Ontario and Thunder Bay Systems of the Commission at October 31, 1946 (subject to the trusts which prevail in respect thereto) and the results of their operations for the year ended on that date, according to the best of our information and the explanations given us and as shown by the books.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
May 14, 1947.

**THE HYDRO-ELECTRIC POWER
SOUTHERN ONTARIO AND
STATEMENT OF OPERATIONS**

| | Southern Ontario system |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| | \$ c. |
| Cost of power: | |
| Cost of power purchased..... | 11,237,627.75 |
| Operating, maintenance and administrative expenses..... | 7,564,065.88 |
| Interest (including interest on sinking fund, renewals, and other reserves and after deducting interest earned on investments) | 10,916,399.40 |
| Provision for renewals..... | 2,219,332.19 |
| Provision for contingencies and obsolescence..... | 8,575,543.00 |
| Provision for stabilization of rates..... | 2,797,669.01 |
| Provision for sinking fund..... | 2,797,669.01 |
| Total..... | 43,310,637.23 |
| Amounts received from or billed against municipalities and other customers: | |
| Municipalities (at interim rates)..... | 29,541,675.42 |
| Rural power districts..... | 3,258,030.20 |
| Companies..... | 13,180,588.23 |
| Mining area..... | 125,138.74 |
| Local distribution system..... | 92.48 |
| Rural lines operated by municipalities..... | 92.48 |
| Total..... | 46,105,525.07 |
| Balance, credited or charged to municipalities on annual adjustment of the cost of power: | |
| Credited..... | 2,794,887.84 |
| Charged..... | 2,794,887.84 |
| Net credit..... | 2,794,887.84 |

COMMISSION OF ONTARIO

THUNDER BAY SYSTEMS

For the Year Ended October 31, 1946

| Thunder Bay system | Distribution in rural power districts | Elimination of inter-departmental billings | Total |
|-----------------------|------------------------------------------|--------------------------------------------------|--------------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. |
| 648,159.70 | 3,279,836.48 2,008,154.00 | 3,279,836.48 | 11,237,627.75 10,220,379.58 |
| 896,073.06 | 954,616.21 | ..... | 12,767,088.67 |
| 171,198.09 | 456,783.19 | ..... | 2,847,313.47 |
| 557,433.79 | ..... | ..... | 9,132,976.79 |
| (90,335.81) | ..... | ..... | (90,335.81) |
| 209,603.78 | 243,706.29 | ..... | 3,250,979.08 |
| 2,392,132.61 | 6,943,096.17 | 3,279,836.48 | 49,366,029.53 |
| 809,683.71 | ..... | ..... | 30,351,359.13 |
| 21,806.28 | 7,023,246.12 | 3,279,836.48 | 7,023,246.12 |
| 1,104,872.32 | ..... | ..... | 14,285,460.55 |
| 515,579.95 | ..... | ..... | 515,579.95 |
| ..... | ..... | ..... | 125,138.74 |
| ..... | ..... | ..... | 92.48 |
| 2,451,942.26 | 7,023,246.12 | 3,279,836.48 | 52,300,876.97 |
| 59,809.65 | 84,882.24 | ..... | 2,939,579.73 |
| ..... | 4,732.29 | ..... | 4,732.29 |
| 59,809.65 | 80,149.95 | ..... | 2,934,847.44 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

FIXED ASSETS—October 31, 1946

| Property | Under construction | In service | | Total | |
|----------------------------------|--------------------|-----------------|----------------|----------------|--|
| | | Non-depreciable | Depreciable | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | |
| POWER PLANTS | | | | | |
| Niagara Division: | | | | | |
| Niagara river: | | | | | |
| Queenston-Chippawa | 565. 18 | 46,668,135. 21 | 28,734,678. 82 | 75,403,379. 21 | |
| Ontario Power | 122. 73 | 7,281,151. 42 | 14,436,203. 00 | 21,717,477. 15 | |
| Toronto Power | 18. 77 | 3,823,379. 60 | 7,618,491. 39 | 11,441,889. 76 | |
| Ottawa river: | | | | | |
| Chats Falls | 201. 84 | 818,263. 01 | 6,372,273. 45 | 7,190,738. 30 | |
| Des Joachims | 526,501. 57 | | | 526,501. 57 | |
| Power sites | 50,002. 00 | | | 50,002. 00 | |
| Welland canal: | | | | | |
| DeCew Falls | 2,597,117. 69 | 6,527,420. 13 | 9,688,669. 65 | 18,813,207. 47 | |
| Long Lake diversion | | 256,962. 82 | 620,829. 40 | 877,792. 22 | |
| Ogoki diversion | | 2,790,000. 00 | 2,077,232. 19 | 4,867,232. 19 | |
| Preliminary river surveys | | 30,242. 35 | | 30,242. 35 | |
| Georgian Bay Division: | | | | | |
| Muskoka river: (below lake) | | | | | |
| Bala No. 1 and No. 2 | | 29,191. 00 | 43,216. 77 | 72,407. 77 | |
| Ragged Rapids | 251. 35 | 70,889. 49 | 1,261,109. 55 | 1,332,250. 39 | |
| Big Eddy | | 170,434. 74 | 1,123,218. 39 | 1,293,653. 13 | |
| Land and water rights | | 17,224. 03 | | 17,224. 03 | |
| Seyvern river: | | | | | |
| Wasdells | 4,344. 03 | 13,752. 32 | 178,089. 04 | 196,185. 39 | |
| Big Chute | 312. 87 | 122,540. 48 | 562,911. 57 | 685,764. 92 | |
| Beaver river: | | | | | |
| Eugenia | 105. 68 | 142,538. 73 | 1,191,754. 16 | 1,334,398. 57 | |
| Saugeen river: | | | | | |
| Hanover | | 10,000. 00 | | 10,000. 00 | |
| Walkerton | | 100,372. 31 | 117,123. 34 | 217,495. 65 | |
| Muskoka river: (above lake) | | | | | |
| South Falls | 1,256. 44 | 17,934. 95 | 436,726. 95 | 455,918. 34 | |
| Trethewey Falls | | 51,549. 45 | 305,718. 47 | 357,267. 92 | |
| Hanna Chute | | 33,256. 73 | 207,504. 10 | 240,760. 83 | |
| Hollow Lake dam | | 17,674. 24 | 29,540. 16 | 47,214. 40 | |
| Sauble river: | | | | | |
| Lands and rights | | 4,200. 00 | | 4,200. 00 | |
| Credit river: | | | | | |
| Caledon | | 8,000. 00 | 52,069. 11 | 60,069. 11 | |
| Miscellaneous | 3. 00 | | | 3. 00 | |
| Eastern Ontario Division: | | | | | |
| Fenelon river: | | | | | |
| Fenelon Falls | 4,810. 66 | 60,000. 00 | 88,789. 83 | 153,600. 49 | |
| Otonabee river: | | | | | |
| Auburn | | 31,400. 00 | 290,275. 05 | 321,675. 05 | |
| Lakefield | | 19,620. 05 | 217,248. 84 | 236,868. 89 | |
| Trent river: | | | | | |
| Heely Falls | 1,877. 60 | | 1,202,042. 81 | 1,203,920. 41 | |
| Seymour | | | 315,877. 79 | 315,877. 79 | |
| Ranney Falls | | 18,596. 20 | 1,419,855. 95 | 1,438,452. 15 | |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

FIXED ASSETS—October 31, 1946

| Property | Under construction | In service | | Total |
|-------------------------------|--------------------|-----------------|----------------|----------------|
| | | Non-depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| POWER PLANTS—(Continued) | | | | |
| Trent river—continued | | | | |
| Crow river..... | | 1,000.00 | | 1,000.00 |
| Hagues Reach..... | | | 573,262.30 | 573,262.30 |
| Meyersburg..... | | | 837,865.91 | 837,865.91 |
| Sills Island..... | | 38,679.36 | 281,426.02 | 320,105.38 |
| Frankford..... | 873.42 | | 252,398.83 | 253,272.25 |
| Sidney..... | | | 250,996.46 | 250,996.46 |
| Mississippi river: | | | | |
| High Falls..... | | 13,154.84 | 702,853.83 | 716,008.67 |
| Galetta..... | 178.22 | 20,000.00 | 127,888.21 | 148,066.43 |
| Madawaska river: | | | | |
| Barrett Chute..... | 2,794.71 | 701,075.34 | 3,836,446.76 | 4,540,316.81 |
| Calabogie..... | | 80,825.74 | 678,701.70 | 759,527.44 |
| Stewartsville..... | 2,422,153.45 | | | 2,422,153.45 |
| Bark Lake dam..... | | 609,086.12 | 795,985.55 | 1,405,071.67 |
| Kaminisneg Lake dam..... | | 20,184.73 | 1,795.46 | 21,980.19 |
| Undeveloped sites..... | | 470,000.00 | | 470,000.00 |
| Miscellaneous..... | 60.97 | | 46,071.28 | 46,132.25 |
| Intangible..... | | 2,217,761.29 | | 2,217,761.29 |
| | 5,613,552.18 | 73,306,496.68 | 86,977,142.09 | 165,897,190.95 |
| TRANSFORMER STATIONS | | | | |
| Niagara Division..... | 2,616,716.15 | | 50,151,351.06 | 52,768,067.21 |
| Georgian Bay Division..... | 43,361.61 | | 2,442,648.33 | 2,486,009.94 |
| Eastern Ontario Division..... | 414,267.47 | 76,296.26 | 4,968,041.76 | 5,458,605.49 |
| | 3,074,345.23 | 76,296.26 | 57,562,041.15 | 60,712,682.64 |
| TRANSMISSION LINES | | | | |
| Niagara Division: | | | | |
| Lines..... | 630,588.57 | | 29,638,055.80 | 30,268,644.37 |
| Right-of-way..... | | 8,854,781.97 | | 8,854,781.97 |
| Georgian Bay Division..... | 56,238.75 | 111,815.78 | 3,598,599.08 | 3,766,653.61 |
| Eastern Ontario Division..... | 271,509.84 | 666,605.09 | 7,154,481.20 | 8,092,596.13 |
| | 958,337.16 | 9,633,202.84 | 40,391,136.08 | 50,982,676.08 |
| LOCAL SYSTEMS | | | | |
| Niagara Division..... | | | 117,217.12 | 117,217.12 |
| Georgian Bay Division..... | | | 123,206.61 | 123,206.61 |
| Eastern Ontario Division..... | | 703.00 | 32,643.06 | 33,346.06 |
| | | 703.00 | 273,066.79 | 273,769.79 |
| Sub-total..... | 9,646,234.57 | 83,016,698.78 | 185,203,386.11 | 277,866,319.46 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO SYSTEM
Embracing Niagara, Georgian Bay and Eastern Ontario Divisions
FIXED ASSETS—October 31, 1946

| Property | Under construction | In service | | Total |
|----------------------------|--------------------|-----------------|----------------|----------------|
| | | Non-depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| RURAL POWER DISTRICT | | | | |
| H-E.P.C. investment..... | | 37,559.97 | 23,911,002.45 | 23,948,562.42 |
| Government grants..... | | | 23,520,194.63 | 23,520,194.63 |
| | | 37,559.97 | 47,431,197.08 | 47,468,757.05 |
| RURAL LINES | | | | |
| Georgian Bay Division..... | | | 922.02 | 922.02 |
| | 9,646,234.57 | 83,054,258.75 | 232,635,505.21 | 325,335,998.53 |

| | Cost statements | Transfers for cost purposes | Fixed assets as above |
|--------------------------------|-----------------|-----------------------------|-----------------------|
| | \$ c. | \$ c. | \$ c. |
| Cost of Power schedules..... | 277,703,414.75 | 162,904.71 | 277,866,319.46 |
| Rural Operating schedules..... | 24,111,467.13 | 162,904.71 | 23,948,562.42 |
| Rural Lines schedules..... | 922.02 | | 922.02 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
THUNDER BAY SYSTEM
FIXED ASSETS—October 31, 1946

| Property | Under construction | In service | | Total |
|---------------------------|--------------------|-----------------|---------------|---------------|
| | | Non-depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| POWER PLANTS: | | | | |
| Nipigon river: | | | | |
| Cameron Falls..... | 1,034.12 | 857,418.84 | 9,096,092.32 | 9,954,545.28 |
| Alexander..... | 1,531.94 | 77,090.06 | 6,539,457.18 | 6,618,079.18 |
| Virgin Falls dam..... | | 55,450.41 | 426,736.74 | 482,187.15 |
| Aguasabon River: | | | | |
| Aguasabon..... | 654,255.30 | | | 654,255.30 |
| | 656,821.36 | 989,959.31 | 16,062,286.24 | 17,709,066.91 |
| TRANSFORMER STATIONS..... | 136,455.09 | 353,715.37 | 950,346.92 | 1,440,517.38 |
| TRANSMISSION LINES..... | 953,640.18 | 963,385.00 | 1,722,571.31 | 3,639,596.49 |
| LOCAL SYSTEMS..... | 1,096.16 | 91,055.91 | | 92,152.07 |
| Sub-total..... | 1,748,012.79 | 2,398,115.59 | 18,735,204.47 | 22,881,332.85 |
| RURAL POWER DISTRICT: | | | | |
| H-E.P.C. investments..... | | | 282,716.69 | 282,716.69 |
| Government grants..... | | | 282,716.69 | 282,716.69 |
| | | | 565,433.38 | 565,433.38 |
| | 1,748,012.79 | 2,398,115.59 | 19,300,637.85 | 23,446,766.23 |

| | Cost statements | Fixed assets as above |
|--------------------------------|-----------------|-----------------------|
| Cost of Power schedules..... | 22,881,332.85 | 22,881,332.85 |
| Rural Operating schedules..... | 282,716.69 | 282,716.69 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

FIXED ASSETS—October 31, 1946

| Property | Under construction | In service | | Total |
|----------------------------------|--------------------|-----------------|--------------|--------------|
| | | Non-depreciable | Depreciable | |
| ADMINISTRATIVE BUILDINGS: | \$ c. | \$ c. | \$ c. | \$ c. |
| Toronto: | | | | |
| University avenue..... | 5,981.68 | 319,607.94 | 2,776,981.42 | 3,102,571.04 |
| SERVICE BUILDINGS AND EQUIPMENT: | | | | |
| Toronto: | | | | |
| Strachan avenue..... | | | 639,168.14 | 639,168.14 |
| 1379 Bloor street west..... | | | 50,000.00 | 50,000.00 |
| Islington service centre..... | 62,336.82 | | | 62,336.82 |
| Cobourg..... | | | 22,245.08 | 22,245.08 |
| Hamilton..... | | 550,000.00 | | 550,000.00 |
| | 62,336.82 | 550,000.00 | 711,413.22 | 1,323,750.04 |
| | 68,318.50 | 869,607.94 | 3,488,394.64 | 4,426,321.08 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS

FIXED ASSETS—Summary, October 31, 1946

| System or Property | Under construction | In service | | Total |
|----------------------------------------------------------------------------------------|--------------------|-----------------|----------------|----------------|
| | | Non-depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Southern Ontario system..... | 9,646,234.57 | 83,054,258.75 | 232,635,505.21 | 325,335,998.53 |
| Thunder Bay system..... | 1,748,012.79 | 2,398,115.59 | 19,300,637.85 | 23,446,766.23 |
| Service and administrative buildings and equipment..... | 68,318.50 | 869,607.94 | 3,488,394.64 | 4,426,321.08 |
| | 11,462,565.86 | 86,321,982.28 | 255,424,537.70 | 353,209,085.84 |
| Less: Grants in aid of construction—Province of Ontario for rural power districts..... | | | | 23,802,911.32 |
| | | | | 329,406,174.52 |

**THE HYDRO-ELECTRIC POWER
CHANGES IN FIXED ASSETS—**

| Class of asset | Balance at beginning of year | Expenditure during year |
|----------------------------------------|------------------------------------|----------------------------|
| SOUTHERN ONTARIO SYSTEM | | |
| POWER PLANTS | | |
| Niagara Division: | \$ c. | \$ c. |
| Queenston-Chippawa | 75,450,810.22 | 780.09 |
| Ontario Power | 21,724,157.35 | 1,799.80 |
| Toronto Power | 11,445,285.38 | 4,104.38 |
| Chats Falls | 7,190,536.46 | 201.84 |
| Des Joachims | 246,371.46 | 280,130.11 |
| DeCew Falls | 16,398,480.16 | 2,413,832.31 |
| Ogoki diversion | 4,856,062.57 | 11,169.62 |
| Other properties | 957,983.91 | 52.66 |
| Georgian Bay Division: | | |
| Eugenia | 1,299,579.24 | 19,035.88 |
| Ragged Rapids | 1,331,999.04 | 251.35 |
| Big Eddy | 1,293,653.13 | ..... |
| Big Chute | 685,137.13 | 717.79 |
| South Falls | 454,661.90 | 1,256.44 |
| Trethewey Falls | 357,267.92 | ..... |
| Other properties | 758,030.05 | 4,264.90 |
| Eastern Ontario Division: | | |
| Hagues Reach | 573,262.30 | ..... |
| Auburn | 321,675.05 | ..... |
| Seymour | 315,877.79 | ..... |
| Ranney Falls | 1,438,452.15 | ..... |
| Heely Falls | 1,202,813.99 | 1,176.42 |
| Meyersburg | 837,865.91 | ..... |
| High Falls | 716,158.67 | ..... |
| Barrett Chute | 4,516,782.95 | 23,498.86 |
| Bark Lake dam | 1,403,747.53 | 1,324.14 |
| Calabogie | 758,155.25 | 606.19 |
| Stewartsville | 30,087.81 | 2,392,035.64 |
| Sills Island | 320,105.38 | ..... |
| Intangible and undeveloped sites | 2,687,761.29 | ..... |
| Other properties | 1,161,982.30 | 8,469.82 |
| | 160,734,744.29 | 5,164,708.24 |
| TRANSFORMER STATIONS | | |
| Niagara Division | 50,147,013.58 | 2,955,514.72 |
| Georgian Bay Division | 2,130,262.06 | 387,356.38 |
| Eastern Ontario Division | 4,947,483.27 | 633,233.29 |
| | 57,224,758.91 | 3,976,104.39 |
| TRANSMISSION LINES | | |
| Niagara Division: | | |
| Lines | 29,703,647.13 | 658,196.85 |
| Right-of-way | 8,852,416.49 | 16,604.61 |
| Georgian Bay Division | 2,828,245.96 | 1,013,522.57 |
| Eastern Ontario Division | 7,295,348.52 | 819,325.07 |
| | 48,679,658.10 | 2,507,649.10 |
| LOCAL SYSTEMS | | |
| Niagara Division | 109,813.20 | 7,403.92 |
| Georgian Bay Division | 222,248.49 | 8,586.24 |
| Eastern Ontario Division | 30,436.10 | 3,210.27 |
| | 362,497.79 | 19,200.43 |
| Sub-total | 267,001,659.09 | 11,667,662.16 |

COMMISSION OF ONTARIO

During Year Ended October 31, 1946

| Adjustment for equipment re-located | Retirements | | Balance at end of year |
|-------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|---------------------------|
| | Values recovered (stores, sales and salvage) | Charged to reserves for renewals and contingencies | |
| \$ c. 8.90 | \$ c. 28,220.00 | \$ c. 20,000.00 | \$ c. 75,403,379.21 |
| | | 8,480.00 | 21,717,477.15 |
| | | 7,500.00 | 11,441,889.76 |
| | | | 7,190,738.30 |
| | | | 526,501.57 |
| 1,220.00 | | 325.00 | 18,813,207.47 |
| | | | 4,867,232.19 |
| | | | 958,036.57 |
| 16,740.00 | 21.55 | 935.00 | 1,334,398.57 |
| | | | 1,332,250.39 |
| | | 90.00 | 1,293,653.13 |
| | | | 685,764.92 |
| | | | 455,918.34 |
| 104,859.50 | 1,594.27 | | 357,267.92 |
| | | | 865,560.18 |
| | | | 573,262.30 |
| | | | 321,675.05 |
| | | | 315,877.79 |
| | | | 1,438,452.15 |
| 70.00 | | | 1,203,920.41 |
| | | | 837,865.91 |
| | | 150.00 | 716,008.67 |
| 70.00 | 35.00 | | 4,540,316.81 |
| | | | 1,405,071.67 |
| 766.00 | | | 759,527.44 |
| 30.00 | | | 2,422,153.45 |
| | | | 320,105.38 |
| | | | 2,687,761.29 |
| 270.00 | | 58,265.16 | 1,111,916.96 |
| 123,354.40 | 29,870.82 | 95,745.16 | 165,897,190.95 |
| 35,010.00 | 169,080.34 | 130,370.75 | 52,768,067.21 |
| 25,412.71 | 15,061.55 | 41,959.66 | 2,486,009.94 |
| 55,709.83 | 27,040.67 | 39,360.57 | 5,458,605.49 |
| 65,307.12 | 211,182.56 | 211,690.98 | 60,712,682.64 |
| 23,337.90 | 8,259.10 | 61,602.61 | 30,268,644.37 |
| 1,591.00 | 15,039.70 | 790.43 | 8,854,781.97 |
| 33,144.00 | 12,343.97 | 29,626.95 | 3,766,653.61 |
| 6,289.33 | 2,293.84 | 13,494.29 | 8,092,596.13 |
| 61,180.23 | 37,936.61 | 105,514.28 | 50,982,676.08 |
| 107,602.84 | 18.28 | 7.00 | 117,217.12 |
| | 5.44 | 294.87 | 123,206.61 |
| | | | 33,346.06 |
| 107,602.84 | 23.72 | 301.87 | 273,769.79 |
| 110,735.79 | 279,013.71 | 413,252.29 | 277,866,319.46 |

THE HYDRO-ELECTRIC POWER

CHANGES IN FIXED ASSETS—

| Class of asset | Balance at beginning of year | Expenditure during year |
|-----------------------------------------------------|------------------------------------|----------------------------|
| SOUTHERN ONTARIO SYSTEM—(Continued) | | |
| RURAL POWER DISTRICT | | |
| H.-E.P.C. investment..... | \$ 21,703,642.19 | \$ 2,340,353.52 |
| Government grants..... | 21,295,803.14 | 2,319,946.78 |
| | 42,999,445.33 | 4,660,300.30 |
| RURAL LINES | | |
| Georgian Bay Division..... | 922.02 | ..... |
| Southern Ontario system—Total..... | 310,002,026.44 | 16,327,962.46 |
| THUNDER BAY SYSTEM: | | |
| Power plants..... | 16,960,969.61 | 763,637.80 |
| Transformer stations..... | 1,319,981.81 | 124,195.55 |
| Transmission lines..... | 2,687,478.13 | 952,461.86 |
| Local systems..... | 88,027.26 | 4,159.81 |
| Sub-total..... | 21,056,456.81 | 1,844,455.02 |
| RURAL POWER DISTRICT | | |
| H.-E.P.C. investment..... | 273,372.74 | 9,488.45 |
| Government grants..... | 273,372.73 | 9,488.46 |
| | 546,745.47 | 18,976.91 |
| Thunder Bay system—Total..... | 21,603,202.28 | 1,863,431.93 |
| SERVICE AND ADMINISTRATIVE BUILDINGS AND EQUIPMENT: | | |
| Toronto—University avenue..... | 2,974,453.54 | 128,082.50 |
| —Elm and Centre streets..... | 113,322.00 | ..... |
| —Strachan avenue..... | 586,623.76 | 55,485.83 |
| Other properties and equipment..... | 625,126.85 | 59,455.05 |
| Total..... | 4,299,526.15 | 243,023.38 |
| Grand total..... | 335,904,754.87 | 18,434,417.77 |
| Less: Grants in aid of construction: | | |
| Province of Ontario for rural power districts..... | 21,569,175.87 | 2,233,735.45 |
| Total fixed assets..... | 314,335,579.00 | 16,200,682.32 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICTS

CAPITAL EXPENDITURES AND GRANTS—Summary at October 31, 1946

Statement showing the Total Capital Expenditures in Rural Power Districts to October 31, 1946; the Grants payable to the Commission by the Province of Ontario in respect thereto; and the amounts paid to the Commission on account of such Grants to October 31, 1946

| | Accumulated total to October 31, 1945 | During the year | Accumulated total to October 31, 1946 |
|------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|------------------------------------------------|
| | \$ c. | \$ c. | \$ c. |
| Total capital expenditures less retirements— | | | |
| Southern Ontario district..... | 42,999,445.33 | 4,469,311.72 | 47,468,757.05 |
| Thunder Bay district..... | 546,745.47 | 18,687.91 | 565,433.38 |
| | 43,546,190.80 | 4,487,999.63 | 48,034,190.43 |
| Northern Ontario Properties district..... | 990,289.74 | 272,490.34 | 1,262,780.08 |
| | 44,536,480.54 | 4,760,489.97 | 49,296,970.51 |
| Less: Portion of expenditures not subject to Provincial grant*— | | | |
| Southern Ontario district..... | 407,839.06 | 20,528.73 | 428,367.79 |
| Thunder Bay district..... | | | |
| Northern Ontario Properties district..... | 83,793.90 | 1,166.36 | 84,960.26 |
| | *491,632.96 | 21,695.09 | 513,328.05 |
| Balance of expenditures less retirements sub- ject to Provincial grants (all districts).... | 44,044,847.58 | 4,738,794.88 | 48,783,642.46 |
| Grants payable by the Province as authorized by Order-in-Council (50%)— | | | |
| Southern Ontario district and Thunder Bay district..... | 21,569,175.87 | 2,233,735.45 | 23,802,911.32 |
| Northern Ontario Properties district..... | 453,247.92 | 135,661.99 | 588,909.91 |
| | 22,022,423.79 | 2,369,397.44 | 24,391,821.23 |
| Amounts paid by the Province to the Commis- sion on account of such authorized grants. | 21,695,108.10 | †1,950,000.00 | 23,645,108.10 |
| Balance owing by the Province..... | 327,315.69 | 419,397.44 | 746,713.13 |

*Grants not paid by the Province in respect of a summer resort, street lighting systems, service buildings, amounts paid for business already established and one transformer station

†Includes \$327,315.69 in respect of 1945.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with The Provincial Treasurer of the Province of Ontario

As at October 31, 1946

ADVANCES FROM AND REPAYMENTS TO THE PROVINCE OF ONTARIO

| | Total | Northern Ontario Properties operated for the Province of Ontario | Southern Ontario and Thunder Bay systems operated on a "cost basis" |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | \$ c. | \$ c. | \$ c. |
| ADVANCES FOR CAPITAL EXPENDITURES: | | | |
| Cash advances made by the Province to the Commission for capital expenditure purposes during the years 1909 to 1934, inclusive. | 207,250,258.34 | 8,331,113.46 | 198,919.144.88 |
| Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934 and the capital expenditures made out of such advances by the Commission in that year. | 247,507.98 | 74,001.99 | 173,505.99 |
| Total advances for capital expenditures. | 207,002,750.36 | 8,257,111.47 | 198,745,638.89 |
| REPAYMENT OF ADVANCES—1926 to 1933: | | | |
| Cash repayments made by the Commission annually to October 31, 1933, in accordance with the 1926 debt retirement plan. | 17,008,616.73 | 3,061.39 | 17,005,555.34 |
| Balance of advances at October 31, 1934 (before deducting \$2,412,398.33 on deposit with the Province at that date for debt retirement). | 189,994,133.63 | 8,254,050.08 | 181,740,083.55 |
| REPAYMENT OF ADVANCES—1934 to 1946: | | | |
| Cash repayments made by the Commission under new retirement plan, equal to the maturities in the period November 1, 1934 to October 31, 1946, of Province of Ontario bonds allocated as issued for the Commission's purposes— Total to October 31, 1945. \$95,147,100.87 During the year ended October 31, 1946. 2,879,705.62 | 98,026,806.49 | 2,756,146.43 | 95,270,660.06 |
| Balance of advances at October 31, 1946. | 91,967,327.14 | 5,497,903.65 | 86,469,423.49 |
| Payable in the following currencies: | | | |
| Canadian. | 16,998,565.89 | 619,071.33 | 16,379,494.56 |
| Sterling. | 71,202.66 | 768.80 | 70,433.86 |
| Canadian or United States. | 8,718,026.01 | 4,799.73 | 8,713,226.28 |
| Canadian, United States or Sterling. | 66,179,532.58 | 4,873,263.79 | 61,306,268.79 |
| | 91,967,327.14 | 5,497,903.65 | 86,469,423.49 |

THE HYDRO-ELECTRIC POWER

FUNDED DEBT as at

(Guaranteed as to principal and

| Description | Date of maturity | Date of issue |
|---------------------------------------------|------------------|---------------|
| 2½% Serial debentures..... | Feb. 15, 1947/49 | Feb. 15, 1941 |
| 2½% " "..... | May 1, 1947/49 | May 1, 1942 |
| 3% " "..... | Aug. 1, 1947 | Aug. 1, 1942 |
| 3½% Debentures..... | April 1, 1947 | April 1, 1937 |
| 1½% " "..... | Sept. 1, 1947 | Sept. 1, 1944 |
| 2½% " "..... | Jan. 1, 1948 | Jan. 1, 1943 |
| 2½% " "..... | Sept. 1, 1948 | Sept. 1, 1943 |
| 2½% " "..... | Feb. 1, 1949 | Feb. 1, 1943 |
| 2% " "..... | Jan. 1, 1950 | Jan. 1, 1945 |
| 3% Serial debentures..... | May 1, 1950/52 | May 1, 1942 |
| 3% Debentures..... | Feb. 1, 1951 | Feb. 1, 1943 |
| 3% " "..... | Jan. 1, 1953 | Jan. 1, 1943 |
| 3¼% " "..... | Feb. 1, 1953 | Feb. 1, 1938 |
| 4% " "..... | Aug. 1, 1957 | Aug. 1, 1917 |
| 4% " "..... | June 1, 1958 | June 1, 1918 |
| 4% " "..... | Dec. 1, 1958 | Dec. 1, 1918 |
| 3% " "..... | Jan. 1, 1960 | Jan. 1, 1945 |
| 4¾% " "..... | Jan. 1, 1970 | Jan. 1, 1930 |
| 2¾% " "..... | June 1, 1971 | June 1, 1946 |
| Total Funded Debt (at par of exchange)..... | | |

Funded Debt issued to finance:

| | |
|-----------------------------------------------|-------------------------|
| Southern Ontario and Thunder Bay Systems..... | \$72,789,400.00 |
| Northern Ontario Properties..... | 30,833,600.00 |
| | <u>\$103,623,000.00</u> |

Summary of changes in funded debt during year ended October 31, 1946

| | |
|-----------------------------------------|-------------------------|
| Outstanding as at October 31, 1945..... | \$106,898,000.00 |
| Redemptions during the year..... | 23,275,000.00 |
| | <u>\$83,623,000.00</u> |
| New bond issue during the year..... | 20,000,000.00 |
| Outstanding as at October 31, 1946..... | <u>\$103,623,000.00</u> |

COMMISSION OF ONTARIO

October 31, 1946

interest by the Province of Ontario)

| Principal outstanding October 31, 1946 | Where payable | Remarks |
|-------------------------------------------|---------------|-----------------------------------------------------|
| \$ c. | | |
| 5,625,000.00 | Canada | \$1,875,000.00 maturing annually. |
| 3,000,000.00 | Canada | \$1,000,000.00 maturing annually. |
| 900,000.00 | N.Y. | \$900,000.00 maturing annually. |
| 7,934,000.00 | Canada | |
| 2,000,000.00 | N.Y. | |
| 2,000,000.00 | N.Y. | |
| 4,500,000.00 | N.Y. | |
| 2,000,000.00 | Canada | |
| 5,000,000.00 | Canada | |
| 3,000,000.00 | Canada | \$1,000,000.00 maturing annually. |
| 6,000,000.00 | Canada | |
| 5,000,000.00 | N.Y. | Callable on or after Jan. 1, 1951 at 101. |
| 9,000,000.00 | Canada | Callable on or after Feb. 1, 1950 at 100 |
| 8,000,000.00 | C., N.Y., L. | |
| 200,000.00 | Toronto | |
| 100,000.00 | Toronto | |
| 7,500,000.00 | Canada | Callable on or after Jan. 1, 1955 at 100. |
| 11,864,000.00 | Canada | |
| 20,000,000.00 | Canada | Callable at par, in whole or in part, June 1, 1961. |
| 103,623,000.00 | | |

Payable in the following currencies:

| | |
|--------------------------------------|------------------|
| Canadian | \$81,223,000.00 |
| Canadian, United States, or Sterling | 8,000,000.00 |
| United States | 14,400,000.00 |
| | \$103,623,000.00 |

**THE HYDRO-ELECTRIC POWER
POWER ACCOUNTS RECEIVABLE**

| System or property | Wholesale consumers | | | |
|---------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------|-----------------------------------------|
| | Interim power bills | Accumulated amount standing as a charge or credit on October 31, 1946 | | Net total for wholesale consumers |
| | | Charge | Credit | |
| SOUTHERN ONTARIO SYSTEM: | \$ c. | \$ c. | \$ c. | \$ c. |
| Municipalities..... | 2,980,883.77 | | 2,794,887.84 | 185,995.93 |
| Companies..... | 1,125,275.66 | | | 1,125,275.66 |
| Local and rural..... | | | | |
| | 4,106,159.43 | | 2,794,887.84 | 1,311,271.59 |
| THUNDER BAY SYSTEM: | | | | |
| Municipalities..... | 116,997.50 | | 59,809.65 | 57,187.85 |
| Companies..... | 111,953.13 | | | 111,953.13 |
| Local and rural..... | | | | |
| | 228,950.63 | | 59,809.65 | 169,140.98 |
| Grand totals..... | 4,335,110.06 | | 2,854,697.49 | 1,480,412.57 |

Sundry Accounts Receivable

| | | | | |
|----------------------------------------------------------------------------------|--|--|--|--|
| Arising from construction of works, sale of electrical equipment, etc..... | | | | |
|----------------------------------------------------------------------------------|--|--|--|--|

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS

RENEWAL RESERVES—October 31, 1946

| | Southern Ontario system | Thunder Bay system | Service and administrative buildings and equipment | Totals for power undertakings operated on a "cost basis" |
|----------------------------------------------------------------------------|-------------------------------|--------------------------|-------------------------------------------------------------|-------------------------------------------------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Balances at November 1, 1945 | 60,520,519.65 | 4,543,153.85 | 815,050.37 | 65,878,723.87 |
| Provision in the year—direct.. | 2,670,559.08 | 176,754.39 | | 2,847,313.47 |
| —indirect..... | | | 32,696.89 | 32,696.89 |
| Interest at 4% on reserve balances..... | 2,419,774.91 | 181,726.16 | 22,493.92 | 2,623,994.99 |
| Sub-total..... | 65,610,853.64 | 4,901,634.40 | 870,241.18 | 71,382,729.22 |
| Less: | | | | |
| Expenditures in the year for renewals..... | 99,020.01 | 54.11 | 4,195.86 | 103,269.98 |
| Amount withdrawn in respect of assets removed from service, etc..... | 244,596.28 | 1,741.14 | 36,263.45 | 282,600.87 |
| Adjustments for excess re- serve on retirements..... | 190,427.33 | | | 190,427.33 |
| Sundry charges..... | 10,276.99 | (576.99) | | 9,700.00 |
| Balances at October 31, 1946.. | 65,066,533.03 | 4,900,416.14 | 829,781.87 | 70,796,731.04 |

COMMISSION OF ONTARIO

October 31, 1946

| Retail power consumers local and rural districts | Net total of power accounts receivable | Balance sheet figures | | Debit balances three months or more overdue |
|--------------------------------------------------|----------------------------------------|-----------------------|-----------------|---------------------------------------------|
| | | Debit balances | Credit balances | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 185,995.93 | 655,759.45 | 469,763.52 | ..... |
| ..... | 1,125,275.66 | 1,125,275.66 | ..... | ..... |
| 1,395,103.47 | 1,395,103.47 | 1,395,103.47 | ..... | 10,926.34 |
| | | | | |
| 1,395,103.47 | 2,706,375.06 | 3,176,138.58 | 469,763.52 | 10,926.34 |
| | | | | |
| ..... | 57,187.85 | 57,257.18 | 69.33 | ..... |
| ..... | 111,953.13 | 116,408.06 | 4,454.93 | ..... |
| 16,225.64 | 16,225.64 | 16,225.64 | ..... | 1,948.67 |
| | | | | |
| 16,225.64 | 185,366.62 | 189,890.88 | 4,524.26 | 1,948.67 |
| | | | | |
| 1,411,329.11 | 2,891,741.68 | 3,366,029.46 | 474,287.78 | 12,875.01 |

—October 31, 1946

| | | |
|-------|------------|-----------|
| | \$ c. | \$ c. |
| ..... | 542,380.22 | 12,109.11 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS

CONTINGENCIES AND OBSOLESCENCE RESERVES—October 31, 1946

| | Southern Ontario system | Thunder Bay system | Totals for power undertakings operated on a "cost basis" |
|------------------------------------------------------------------------------------------------------|-------------------------|--------------------|----------------------------------------------------------|
| | \$ c. | \$ c. | \$ c. |
| Balances at November 1, 1945:..... | 40,000,747.75 | 4,009,492.75 | 44,010,240.50 |
| Excess renewals provision accumulated against assets retired, transferred from renewals reserve..... | 190,427.33 | ..... | 190,427.33 |
| Profit on sale of investments, etc..... | 86,800.49 | ..... | 86,800.49 |
| Provision in the year as per cost statement... | 8,575,543.00 | 557,433.79 | 9,132,976.79 |
| Interest at 4% on reserve balances..... | 1,596,268.25 | 154,673.52 | 1,750,941.77 |
| Sub-total..... | 50,449,786.82 | 4,721,600.06 | 55,171,386.88 |
| Less: | | | |
| Contingencies met with during the year.. | 684,046.23 | 58,338.47 | 742,384.70 |
| Excess of fixed asset retirements over accumulated renewals provision..... | 198,392.01 | 3,279.54 | 201,671.55 |
| Balances at October 31, 1946..... | 49,567,348.58 | 4,659,982.05 | 54,227,330.63 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS
STABILIZATION OF RATES RESERVES—October 31, 1946

| | Southern Ontario system | Thunder Bay | | Totals for power undertakings operated on a "cost basis" |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|---------------------|----------------------------------------------------------|
| | | System | Mining area | |
| Balances at November 1, 1945 | \$ c. 16,314,963.40 | \$ c. 456,996.31 | \$ c. 371,914.19 | \$ c. 17,143,873.90 |
| Interest at 4% on reserve balances..... | 652,598.53 | 18,279.85 | 14,876.57 | 685,754.95 |
| Credits arising from the sale by the Commission during 1946 of all the shares of The Hamilton Street Railway Company:— | | | | |
| Recovery of reserve against investment in The Hamilton Street Railway Company not required (created by Niagara system prior to amalgamation in the Southern Ontario system as approved in 1944) and to be held for the benefit of the municipalities comprising the Niagara division of the Southern Ontario system..... | 1,545,949.64 | | | 1,545,949.64 |
| Special dividends paid by The Hamilton Street Railway Company prior to closing the sale in order to distribute certain current assets as provided by the terms and conditions of sale | 697,620.96 | | | 697,620.96 |
| Deduct: | 19,211,132.53 | 475,276.16 | 386,790.76 | 20,073,199.45 |
| Amount appropriated re cost of power, in the year, to mining area..... | | | 90,335.81 | 90,335.81 |
| Balances at October 31, 1946.. | 19,211,132.53 | 475,276.16 | 296,454.95 | 19,982,863.64 |

NOTE: The above amount of \$19,211,132.53 includes special accounts of \$1,545,949.64, \$693,514.15 and \$367,723.94 pertaining to municipalities of the Niagara, Eastern Ontario and Georgian Bay divisions respectively.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO AND THUNDER BAY SYSTEMS
SINKING FUND RESERVES—October 31, 1946

| | Southern Ontario system | Thunder Bay system | Service and administrative buildings and equipment | Totals for power undertakings operated on a "cost basis" |
|-----------------------------------------|-------------------------|--------------------|----------------------------------------------------|----------------------------------------------------------|
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Balances at November 1, 1945 | 81,231,828.05 | 4,392,584.61 | 860,557.11 | 86,484,969.77 |
| Provision in the year—direct.. | 3,038,449.91 | 212,529.17 | | 3,250,979.08 |
| —indirect..... | | | 40,694.91 | 40,694.91 |
| Interest at 4% on reserve balances..... | 3,249,273.12 | 175,703.39 | 34,422.28 | 3,459,398.79 |
| Balances at October 31, 1946.. | 87,519,551.08 | 4,780,817.17 | 935,674.30 | 93,236,042.55 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENTS FOR MUNICIPALITIES**RECEIVING POWER UNDER COST CONTRACTS****For the year ended October 31, 1946**

STATEMENTS FOR EACH SYSTEM**Cost of Power****Credit or Charge****Sinking Fund****Rural Operating**

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount billed by the Commission against
or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Com- mission during year | Share of capital cost of system | Average horse- power supplied in year after correc- tion for power factor | Share of operating | | |
|--------------------|--------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|------------|
| | To October 31, 1946 | | | Cost of power pur- chased | Operating main- tenance and adminis- trative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Acton..... | 27.50 | 331,245.55 | 1,994.1 | 11,620.04 | 9,525.00 | 13,500.71 |
| Agincourt..... | 27.50 | 46,910.03 | 280.6 | 1,635.11 | 1,409.16 | 1,914.39 |
| Ailsa Craig..... | 35.50 | 36,365.47 | 183.8 | 1,071.04 | 1,360.51 | 1,479.81 |
| Alexandria..... | 39.00 | 95,446.33 | 415.3 | 2,420.04 | 2,866.92 | 3,915.29 |
| Alliston..... | 37.50 | 110,005.55 | 571.0 | 3,327.34 | 3,261.09 | 4,510.34 |
| Almonte..... | 28.00 | 76,352.44 | 459.3 | 2,676.44 | 2,651.39 | 3,141.57 |
| Alvinston..... | 39.00 | 37,470.14 | 164.0 | 955.66 | 1,608.39 | 1,539.16 |
| Amherstburg..... | 31.50 | 250,024.90 | 1,258.6 | 7,334.12 | 7,002.06 | 9,974.22 |
| Ancaster Twp..... | 26.00 | 103,357.15 | 545.9 | 3,181.07 | 2,896.56 | 3,964.50 |
| Apple Hill..... | 39.00 | 10,749.51 | 55.7 | 324.58 | 443.10 | 437.86 |
| Arkona..... | 39.00 | 25,940.48 | 82.1 | 478.41 | 817.63 | 1,066.51 |
| Arnprior..... | 25.00 | 228,191.12 | 1,586.9 | 9,247.20 | 6,651.56 | 9,292.11 |
| Arthur..... | 39.00 | 59,157.86 | 220.2 | 1,283.15 | 2,891.10 | 2,331.68 |
| Athens..... | 39.00 | 38,885.58 | 154.6 | 900.89 | 1,181.68 | 1,583.46 |
| Aurora..... | 27.00 | 285,806.13 | 1,788.5 | 10,421.96 | 7,784.14 | 11,548.50 |
| Aylmer..... | 29.00 | 183,236.30 | 1,111.1 | 6,474.61 | 5,943.10 | 7,687.78 |
| Ayr..... | 32.00 | 55,795.99 | 299.3 | 1,744.08 | 1,800.30 | 2,273.50 |
| Baden..... | 26.50 | 103,244.11 | 624.5 | 3,639.09 | 3,133.45 | 4,133.15 |
| Barrie..... | 26.50 | 737,579.60 | 5,357.3 | 31,218.10 | 17,979.58 | 28,899.62 |
| Bath..... | 39.00 | 19,682.51 | 62.5 | 364.20 | 595.41 | 788.06 |
| Beachville..... | 27.50 | 133,746.93 | 788.4 | 4,594.17 | 3,939.02 | 5,446.41 |
| Beamsville..... | 25.00 | 94,505.04 | 646.2 | 3,765.54 | 2,554.42 | 3,729.23 |
| Beaverton..... | 36.00 | 59,780.51 | 356.2 | 2,075.65 | 2,708.14 | 2,391.82 |
| Beeton..... | 39.00 | 36,726.94 | 130.3 | 759.29 | 1,204.04 | 1,523.84 |
| Belle River..... | 31.50 | 57,925.98 | 277.4 | 1,616.47 | 1,924.93 | 2,253.86 |
| Belleville..... | 22.00 | 1,079,391.23 | 8,953.5 | 52,173.91 | 30,349.29 | 43,875.50 |
| Blenheim..... | 30.50 | 144,136.16 | 781.4 | 4,553.38 | 4,927.92 | 5,815.76 |
| Bloomfield..... | 39.00 | 33,846.17 | 156.5 | 911.96 | 1,135.77 | 1,376.58 |
| Blyth..... | 39.00 | 38,110.47 | 166.6 | 970.81 | 1,478.94 | 1,524.20 |
| Bobcaygeon..... | 53.00 | 19,007.76 | 30.1 | 175.40 | 209.10 | 422.86 |
| Bolton..... | 31.00 | 55,080.46 | 294.5 | 1,716.11 | 1,806.40 | 2,236.44 |
| Bothwell..... | 35.50 | 39,728.78 | 183.9 | 1,071.62 | 1,619.27 | 1,613.42 |
| Bowmanville..... | 26.00 | 481,840.69 | 3,126.3 | 18,217.60 | 16,292.69 | 19,710.24 |
| Bradford..... | 39.00 | 71,478.88 | 364.9 | 2,126.35 | 2,699.20 | 2,923.62 |
| Braeside..... | 27.00 | 31,625.32 | 204.3 | 1,190.50 | 1,034.88 | 1,288.93 |
| Brampton..... | 25.00 | 541,094.16 | 3,757.0 | 21,892.82 | 15,278.52 | 22,112.68 |
| Brantford..... | 22.50 | 3,431,545.25 | 23,992.1 | 139,806.96 | 93,671.59 | 140,640.68 |
| Brantford Twp..... | 27.00 | 283,933.52 | 1,952.0 | 11,374.71 | 10,462.40 | 11,586.84 |
| Brechin..... | 39.00 | 15,501.91 | 68.2 | 397.42 | 606.88 | 627.78 |
| Bridgeport..... | 29.00 | 47,876.94 | 273.0 | 1,590.83 | 1,437.97 | 1,959.09 |

* After crediting the amounts, totalling \$2,337.94 required to reduce the costs of power to \$39.00 per horsepower maximum.

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,001.95 | 10,342.34 | 3,478.68 | 4,855.26 | 46,613.46 | 54,838.90 | 8,225.44 |
| 410.55 | 1,448.22 | 492.73 | 683.22 | 6,626.94 | 7,717.18 | 1,090.24 |
| 363.74 | 970.44 | 382.15 | 447.52 | 5,180.17 | 6,524.30 | 1,344.13 |
| 1,330.18 | 2,210.77 | 1,003.15 | 1,011.18 | 12,735.17 | 16,197.70 | 3,462.53 |
| 1,445.50 | 2,974.51 | 1,171.28 | 1,390.27 | 15,299.79 | 21,410.95 | 6,111.16 |
| 884.13 | 2,353.90 | 800.39 | 1,118.31 | 11,389.51 | 12,859.78 | 1,470.27 |
| 395.69 | 882.42 | 393.86 | 399.31 | 5,375.87 | 6,394.08 | 1,018.21 |
| 2,360.83 | 6,686.88 | 2,579.47 | 3,064.45 | 32,873.13 | 39,647.23 | 6,774.10 |
| 922.86 | 2,854.44 | 1,020.02 | 1,329.16 | 13,510.29 | 14,194.26 | 683.97 |
| 137.37 | 293.89 | 112.93 | 135.62 | 1,614.11 | 2,173.32 | 559.21 |
| 305.72 | 461.15 | 272.73 | 199.90 | 3,202.25 | 3,202.25 | ..... |
| 2,352.38 | 8,075.91 | 2,395.58 | 3,863.79 | 34,150.95 | 39,673.32 | 5,522.37 |
| 832.59 | 1,187.27 | 596.55 | 536.14 | 8,586.20 | 8,586.20 | ..... |
| 558.62 | 828.28 | 406.84 | 376.42 | 5,083.35 | 6,028.78 | 945.43 |
| 2,376.39 | 9,180.73 | 2,975.64 | 4,354.65 | 39,932.71 | 48,288.17 | 8,355.46 |
| 1,732.44 | 5,786.11 | 1,982.68 | 2,705.31 | 26,901.41 | 32,222.84 | 5,321.43 |
| 541.66 | 1,579.93 | 586.23 | 728.74 | 7,796.96 | 9,577.59 | 1,780.63 |
| 900.83 | 3,231.58 | 1,066.10 | 1,520.54 | 14,583.66 | 16,549.04 | 1,965.38 |
| 6,961.30 | 26,959.65 | 7,513.96 | 13,043.99 | 106,488.22 | 141,967.11 | 35,478.89 |
| 296.29 | 343.85 | 201.56 | 152.18 | 2,437.19 | 2,437.19 | ..... |
| 1,227.85 | 4,118.82 | 1,405.01 | 1,919.60 | 18,811.68 | 21,681.89 | 2,870.21 |
| 768.77 | 3,284.19 | 960.83 | 1,573.37 | 13,489.61 | 16,155.80 | 2,666.19 |
| 700.64 | 1,835.26 | 624.79 | 867.28 | 9,469.02 | 12,822.00 | 3,352.98 |
| 562.34 | 713.80 | 389.68 | 317.26 | 4,835.73 | 5,081.73 | 246.00 |
| 533.39 | 1,473.92 | 577.69 | 675.42 | 7,704.84 | 8,737.07 | 1,032.23 |
| 9,110.82 | 44,754.00 | 11,325.10 | 21,800.04 | 169,788.58 | 196,977.36 | 27,188.78 |
| 1,343.72 | 4,110.00 | 1,498.95 | 1,902.56 | 20,347.17 | 23,832.44 | 3,485.27 |
| 458.84 | 828.88 | 355.68 | 381.05 | 4,686.66 | 6,103.53 | 1,416.87 |
| 393.74 | 893.35 | 393.67 | 405.64 | 5,249.07 | 6,498.41 | 1,249.34 |
| 163.46 | 168.37 | 108.00 | 73.29 | 1,173.90 | 1,597.08 | 423.18 |
| 511.96 | 1,532.34 | 574.68 | 717.05 | 7,660.88 | 9,130.27 | 1,469.39 |
| 402.57 | 990.17 | 413.38 | 447.76 | 5,662.67 | 6,528.76 | 866.09 |
| 5,279.88 | 16,045.56 | 5,059.33 | 7,611.93 | 72,993.37 | 81,284.22 | 8,290.85 |
| 940.54 | 1,911.23 | 757.34 | 888.46 | 10,469.82 | 14,231.14 | 3,761.32 |
| 347.81 | 1,045.33 | 332.08 | 497.43 | 4,742.10 | 5,517.24 | 775.14 |
| 4,449.80 | 19,092.01 | 5,681.77 | 9,147.57 | 79,360.03 | 93,924.18 | 14,564.15 |
| 27,801.40 | 122,234.32 | 36,028.23 | 58,416.11 | 501,767.07 | 539,822.42 | 38,055.35 |
| 2,322.94 | 9,956.90 | 2,974.09 | 4,752.74 | 43,925.14 | 52,704.94 | 8,779.80 |
| 215.27 | 361.52 | 162.34 | 166.05 | 2,205.16 | 2,659.83 | 454.67 |
| 446.46 | 1,421.96 | 503.01 | 664.70 | 6,694.62 | 7,917.72 | 1,223.10 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount billed by the Commission against or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | Share of capital cost of system | Average horse-power supplied in year after correction for power factor | Share of operating | | |
|---------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|-------------------------|----------------------------------------------------|-----------|
| | To October 31, 1946 | | | Cost of power purchased | Operating maintenance and administrative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Brigden..... | 39.00 | 31,486.68 | 139.8 | 814.64 | 1,412.11 | 1,289.81 |
| Brighton..... | 27.50 | 97,117.29 | 633.0 | 3,688.62 | 2,958.38 | 3,955.35 |
| Brockville..... | 24.50 | 972,736.52 | 6,703.1 | 39,060.36 | 28,205.75 | 39,708.53 |
| Brussels..... | 39.00 | 49,922.36 | 228.1 | 1,329.19 | 1,850.51 | 2,001.49 |
| Burford..... | 28.00 | 53,998.87 | 332.7 | 1,938.71 | 1,832.96 | 2,200.48 |
| Burgessville..... | 39.00 | 19,983.84 | 92.7 | 540.18 | 868.92 | 821.07 |
| Burlington..... | 24.50 | 298,629.32 | 2,060.3 | 12,005.80 | 10,939.75 | 12,222.79 |
| Caledonia..... | 27.00 | 78,716.40 | 476.6 | 2,777.25 | 2,321.96 | 3,192.60 |
| Campbellville..... | 39.00 | 16,953.20 | 61.8 | 360.12 | 618.01 | 693.77 |
| Cannington..... | 34.50 | 47,919.89 | 292.3 | 1,703.29 | 1,941.80 | 1,929.14 |
| Cardinal..... | 26.50 | 71,098.57 | 444.0 | 2,587.28 | 1,892.72 | 2,667.02 |
| Carleton Place..... | 25.50 | 304,303.93 | 2,162.7 | 12,602.50 | 8,027.78 | 12,341.39 |
| Cayuga..... | 39.00 | 48,414.94 | 214.8 | 1,251.68 | 1,504.72 | 1,965.57 |
| Chatham..... | 25.50 | 1,384,361.87 | 8,598.9 | 50,107.58 | 42,045.21 | 55,904.78 |
| Chatsworth..... | 37.50 | 24,686.55 | 124.5 | 725.49 | 748.57 | 996.21 |
| Chesley..... | 31.00 | 118,614.37 | 726.1 | 4,231.14 | 3,079.53 | 4,776.96 |
| Chesterville..... | 30.00 | 70,594.39 | 402.5 | 2,345.45 | 2,333.91 | 2,875.62 |
| Chippawa..... | 21.50 | 49,791.78 | 440.2 | 2,565.14 | 1,688.22 | 2,025.63 |
| Clifford..... | 39.00 | 34,845.93 | 132.3 | 770.94 | 1,736.66 | 1,432.83 |
| Clinton..... | 30.50 | 149,286.72 | 833.5 | 4,856.98 | 4,800.23 | 6,094.39 |
| Cobden..... | 39.00 | 41,725.03 | 171.3 | 998.20 | 1,552.94 | 1,667.89 |
| Cobourg..... | 26.50 | 393,419.57 | 2,685.6 | 15,649.55 | 13,851.46 | 16,006.63 |
| Colborne..... | 30.50 | 51,747.65 | 304.1 | 1,772.05 | 1,812.07 | 2,102.97 |
| Coldwater..... | 33.50 | 37,820.86 | 208.8 | 1,216.72 | 1,009.63 | 1,511.49 |
| Collingwood..... | 27.50 | 422,390.97 | 2,774.0 | 16,164.68 | 11,306.62 | 16,748.03 |
| Comber..... | 38.50 | 40,367.82 | 180.1 | 1,049.48 | 1,569.69 | 1,626.55 |
| Cookstown..... | 35.50 | 21,800.51 | 120.1 | 699.85 | 638.40 | 893.79 |
| Cottam..... | 38.00 | 24,932.83 | 113.2 | 659.64 | 852.49 | 997.23 |
| Courtright..... | 39.00 | 16,560.78 | 64.9 | 378.19 | 648.79 | 680.66 |
| Creemore..... | 38.50 | 37,721.83 | 201.6 | 1,174.77 | 1,316.49 | 1,503.27 |
| Dashwood..... | 34.00 | 30,549.31 | 145.6 | 848.44 | 1,012.22 | 1,247.29 |
| Delaware..... | 29.00 | 15,905.02 | 98.0 | 571.07 | 608.41 | 648.20 |
| Delhi..... | 31.00 | 130,577.63 | 732.7 | 4,269.60 | 4,002.35 | 5,318.75 |
| Deseronto..... | 35.00 | 56,274.85 | 306.7 | 1,787.20 | 1,881.10 | 2,281.76 |
| Dorchester..... | 33.00 | 24,036.69 | 136.2 | 793.67 | 816.13 | 972.51 |
| Drayton..... | 39.00 | 47,606.86 | 168.5 | 981.88 | 2,067.09 | 1,956.34 |
| Dresden..... | 32.50 | 123,785.48 | 601.4 | 3,504.48 | 4,001.28 | 4,997.06 |
| Drumbo..... | 31.50 | 23,923.76 | 134.0 | 780.85 | 990.73 | 979.82 |
| Dublin..... | 39.00 | 11,071.49 | 55.7 | 324.58 | 426.81 | 450.52 |
| Dundalk..... | 31.00 | 50,101.30 | 288.5 | 1,681.15 | 1,519.88 | 1,879.80 |

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 330.49 | 752.30 | 330.96 | 340.39 | 4,589.92 | 5,451.57 | 861.65 |
| 1,060.24 | 3,259.99 | 1,019.76 | 1,541.23 | 14,401.11 | 17,407.74 | 3,006.63 |
| 10,113.95 | 34,030.03 | 10,212.41 | 16,320.75 | 145,010.28 | 164,226.35 | 19,216.07 |
| 505.24 | 1,217.47 | 515.24 | 555.38 | 6,863.76 | 8,894.63 | 2,030.87 |
| 481.77 | 1,722.48 | 567.17 | 810.06 | 7,933.51 | 9,316.78 | 1,383.27 |
| 208.24 | 493.04 | 210.04 | 225.71 | 2,915.78 | 3,613.69 | 697.91 |
| 2,463.81 | 10,495.67 | 3,132.61 | 5,016.43 | 46,244.00 | 50,477.99 | 4,233.99 |
| 706.54 | 2,474.23 | 820.93 | 1,160.43 | 11,133.08 | 12,867.31 | 1,734.23 |
| 192.81 | 340.97 | 177.43 | 150.47 | 2,232.64 | 2,411.53 | 178.89 |
| 552.21 | 1,500.21 | 500.74 | 711.69 | 7,415.70 | 10,083.78 | 2,668.08 |
| 693.97 | 2,270.71 | 689.11 | 1,081.05 | 9,719.76 | 11,764.90 | 2,045.14 |
| 3,072.22 | 10,984.55 | 3,194.41 | 5,265.76 | 44,957.09 | 55,148.86 | 10,191.77 |
| 510.85 | 1,149.98 | 505.06 | 523.00 | 6,364.86 | 8,376.57 | 2,011.71 |
| 11,772.19 | 44,439.05 | 14,378.77 | 20,936.66 | 197,710.92 | 219,271.30 | 21,560.38 |
| 320.72 | 663.42 | 258.31 | 303.13 | 3,409.59 | 4,670.32 | 1,260.73 |
| 1,363.37 | 3,737.74 | 1,239.47 | 1,767.91 | 16,660.30 | 22,510.39 | 5,850.09 |
| 846.82 | 2,093.60 | 739.33 | 980.01 | 10,254.72 | 12,074.25 | 1,819.53 |
| 341.17 | 2,183.41 | 522.43 | 1,071.80 | 8,254.20 | 9,463.59 | 1,209.39 |
| 385.99 | 724.63 | 366.49 | 322.12 | 5,095.42 | 5,160.04 | 64.62 |
| 1,399.62 | 4,347.06 | 1,569.24 | 2,029.41 | 21,038.11 | 25,420.47 | 4,382.36 |
| 581.36 | 922.48 | 430.99 | 417.08 | 5,736.78 | 6,680.73 | 943.95 |
| 4,125.92 | 13,725.04 | 4,130.44 | 6,538.92 | 60,950.12 | 71,167.74 | 10,217.62 |
| 611.18 | 1,591.10 | 543.51 | 740.42 | 7,692.46 | 9,274.05 | 1,581.59 |
| 466.27 | 1,088.23 | 395.50 | 508.39 | 5,179.45 | 6,996.21 | 1,816.76 |
| 4,499.32 | 14,104.52 | 4,361.81 | 6,754.15 | 60,430.83 | 76,283.87 | 15,853.04 |
| 422.19 | 966.42 | 420.91 | 438.51 | 5,616.73 | 6,933.20 | 1,316.47 |
| 277.30 | 627.60 | 232.28 | 292.42 | 3,076.80 | 4,263.83 | 1,187.03 |
| 249.01 | 606.50 | 257.75 | 275.62 | 3,347.00 | 4,300.64 | 953.64 |
| 182.58 | 353.82 | 174.11 | 158.02 | 2,260.13 | 2,530.16 | 270.03 |
| 467.89 | 1,044.85 | 391.18 | 490.86 | 5,407.59 | 7,760.02 | 2,352.43 |
| 314.28 | 774.66 | 321.06 | 354.51 | 4,163.44 | 4,950.12 | 786.68 |
| 141.67 | 507.32 | 167.06 | 238.61 | 2,405.12 | 2,842.73 | 437.61 |
| 1,230.63 | 3,823.11 | 1,371.60 | 1,783.98 | 18,232.06 | 22,713.44 | 4,481.38 |
| 698.10 | 1,616.20 | 591.17 | 746.76 | 8,108.77 | 10,733.60 | 2,624.83 |
| 225.88 | 709.66 | 252.53 | 331.62 | 3,438.76 | 4,493.26 | 1,054.50 |
| 539.63 | 937.00 | 500.48 | 410.26 | 6,572.16 | 6,572.16 | ..... |
| 1,227.79 | 3,214.33 | 1,289.57 | 1,464.29 | 16,770.22 | 19,544.96 | 2,774.74 |
| 227.48 | 700.11 | 251.91 | 326.26 | 3,604.64 | 4,220.99 | 616.35 |
| 109.96 | 297.30 | 116.40 | 135.62 | 1,589.95 | 2,171.02 | 581.07 |
| 531.92 | 1,482.57 | 487.32 | 702.44 | 6,880.20 | 8,942.99 | 2,062.79 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount billed by the Commission against
or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Com- mission during year | Share of capital cost of system | Average horse- power supplied in year after correc- tion for power factor | Share of operating | | |
|--------------------|--------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------|------------|
| | To October 31, 1946 | | | Cost of power pur- chased | Operating main- tenance and adminis- trative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Dundas..... | 22.50 | 466,977.40 | 3,303.0 | 19,247.27 | 11,490.74 | 18,876.10 |
| Dunnville..... | 25.00 | 256,386.56 | 1,694.1 | 9,871.87 | 7,189.03 | 10,811.69 |
| Durham..... | 32.50 | 88,683.90 | 493.5 | 2,875.73 | 2,938.61 | 3,512.40 |
| Dutton..... | 31.50 | 51,966.64 | 298.5 | 1,739.42 | 1,973.75 | 2,112.39 |
| East York Twp..... | 24.00 | 1,698,708.30 | 11,950.6 | 69,638.63 | 43,474.51 | 69,146.93 |
| Elmira..... | 28.50 | 255,534.79 | 1,659.0 | 9,667.34 | 7,491.62 | 10,374.29 |
| Elmvale..... | 33.00 | 37,348.12 | 192.9 | 1,124.07 | 1,445.47 | 1,437.88 |
| Elmwood..... | 39.00 | 21,380.77 | 102.3 | 596.12 | 777.45 | 873.91 |
| Elora..... | 29.50 | 100,335.00 | 550.3 | 3,206.71 | 3,277.09 | 4,097.37 |
| Embro..... | 31.50 | 35,105.95 | 187.8 | 1,094.35 | 1,272.54 | 1,436.00 |
| Erieau..... | 39.00 | 52,998.13 | 201.8 | 1,175.93 | 1,706.16 | 1,987.12 |
| Erie Beach..... | 39.00 | 8,195.45 | 28.1 | 163.75 | 372.99 | 307.92 |
| Essex..... | 30.50 | 145,102.64 | 745.2 | 4,342.44 | 4,121.25 | 5,802.18 |
| Etobicoke Twp..... | 24.00 | 1,753,972.61 | 12,166.3 | 70,895.56 | 49,334.64 | 71,616.00 |
| Exeter..... | 30.00 | 170,895.40 | 953.3 | 5,555.08 | 5,303.67 | 6,980.99 |
| Fergus..... | 27.50 | 265,541.89 | 1,635.8 | 9,532.15 | 8,957.61 | 10,858.80 |
| Finch..... | 38.50 | 26,002.68 | 133.9 | 780.26 | 967.15 | 1,051.39 |
| Flesherton..... | 39.00 | 17,750.27 | 98.7 | 575.15 | 735.58 | 692.48 |
| Fonthill..... | 28.00 | 38,528.96 | 249.6 | 1,454.47 | 1,162.58 | 1,566.20 |
| Forest..... | 36.50 | 141,400.11 | 725.4 | 4,227.06 | 5,034.25 | 5,712.18 |
| Forest Hill..... | 22.00 | 1,170,994.24 | 8,449.6 | 49,237.58 | 29,735.30 | 47,420.84 |
| Galt..... | 22.50 | 1,897,590.73 | 13,130.6 | 76,514.74 | 52,227.78 | 77,857.00 |
| Georgetown..... | 29.00 | 423,863.45 | 2,411.6 | 14,052.90 | 12,879.26 | 17,284.01 |
| Glencoe..... | 39.00 | 66,815.53 | 255.1 | 1,486.52 | 2,519.71 | 2,718.64 |
| Goderich..... | 32.50 | 396,384.92 | 1,966.0 | 11,456.29 | 11,694.73 | 16,178.98 |
| Grand Valley..... | 39.00 | 46,942.97 | 207.1 | 1,206.81 | 1,843.84 | 1,817.68 |
| Granton..... | 38.00 | 16,459.07 | 78.3 | 456.27 | 666.39 | 668.59 |
| Gravenhurst..... | 25.00 | 220,906.25 | 1,575.9 | 9,183.10 | 5,572.81 | 8,942.77 |
| Grimsby..... | 26.00 | 173,231.38 | 1,133.7 | 6,606.31 | 5,236.35 | 7,075.50 |
| Guelph..... | 23.00 | 1,939,793.74 | 13,622.8 | 79,382.89 | 56,731.09 | 79,429.09 |
| Hagersville..... | 28.00 | 196,823.39 | 1,095.3 | 6,382.54 | 5,047.55 | 7,999.19 |
| Hamilton..... | 20.50 | 21,237,825.82 | 156,071.1 | 909,458.79 | 513,429.85 | 865,521.45 |
| Hanover..... | 27.00 | 237,210.38 | 1,675.1 | 9,761.16 | 6,017.50 | 9,509.74 |
| Harriston..... | 34.50 | 124,667.09 | 591.8 | 3,448.54 | 4,467.00 | 5,104.72 |
| Harrow..... | 33.50 | 145,278.03 | 691.6 | 4,030.10 | 4,229.10 | 5,796.41 |
| Hastings..... | 37.00 | 32,709.42 | 177.5 | 1,034.33 | 1,105.06 | 1,331.67 |
| Havelock..... | 39.00 | 46,069.38 | 218.0 | 1,270.33 | 1,613.33 | 1,887.34 |
| Hensall..... | 37.50 | 62,917.72 | 274.3 | 1,598.40 | 1,970.00 | 2,579.15 |
| Hespeler..... | 24.00 | 458,313.89 | 3,181.5 | 18,539.26 | 12,868.31 | 18,716.65 |
| Highgate..... | 36.50 | 24,930.86 | 115.0 | 670.13 | 904.80 | 1,008.51 |

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,701.89 | 16,782.82 | 4,850.63 | 8,042.16 | 66,907.29 | 74,317.50 | 7,410.21 |
| 2,424.25 | 8,656.35 | 2,774.39 | 4,124.81 | 37,602.77 | 42,352.90 | 4,750.13 |
| 1,057.50 | 2,548.31 | 911.32 | 1,201.58 | 12,642.29 | 16,038.22 | 3,395.93 |
| 484.36 | 1,558.06 | 545.94 | 726.79 | 7,687.16 | 9,403.27 | 1,716.11 |
| 12,997.32 | 60,577.11 | 17,834.92 | 29,097.39 | 244,572.03 | 286,814.60 | 42,242.57 |
| 2,181.94 | 8,504.34 | 2,683.92 | 4,039.34 | 36,864.11 | 47,281.74 | 10,417.63 |
| 444.16 | 1,004.65 | 372.44 | 469.67 | 5,359.00 | 6,365.71 | 1,006.71 |
| 285.48 | 551.90 | 223.80 | 249.08 | 3,059.58 | 3,990.06 | 930.48 |
| 962.28 | 2,888.16 | 1,053.95 | 1,339.87 | 14,145.69 | 16,233.85 | 2,088.16 |
| 341.18 | 988.41 | 368.87 | 457.26 | 5,044.09 | 5,916.22 | 872.13 |
| 526.56 | 1,094.02 | 513.13 | 491.35 | 6,511.57 | 7,870.57 | 1,359.00 |
| 83.63 | 154.21 | 78.70 | 68.42 | 1,092.78 | 1,094.63 | 1.85 |
| 1,353.82 | 3,945.05 | 1,496.38 | 1,814.42 | 19,246.70 | 22,728.09 | 3,481.39 |
| 14,343.00 | 62,036.42 | 18,372.73 | 29,622.58 | 256,975.77 | 291,990.00 | 35,014.23 |
| 1,620.85 | 4,982.50 | 1,795.49 | 2,321.10 | 23,917.48 | 28,598.50 | 4,681.02 |
| 2,369.79 | 8,424.44 | 2,788.50 | 3,982.86 | 38,948.43 | 44,984.73 | 6,036.30 |
| 332.07 | 697.09 | 272.46 | 326.02 | 3,774.40 | 5,153.23 | 1,378.83 |
| 208.10 | 508.41 | 180.47 | 240.32 | 2,659.87 | 3,847.69 | 1,187.82 |
| 345.71 | 1,276.25 | 404.66 | 607.73 | 5,602.14 | 6,988.32 | 1,386.18 |
| 1,385.18 | 3,836.31 | 1,485.87 | 1,766.21 | 19,914.64 | 26,477.09 | 6,562.45 |
| 8,548.81 | 42,662.24 | 12,178.01 | 20,573.14 | 169,209.64 | 185,891.51 | 16,681.87 |
| 15,507.91 | 66,973.60 | 19,925.88 | 31,970.47 | 277,036.44 | 295,438.87 | 18,402.43 |
| 3,979.46 | 12,560.82 | 4,451.99 | 5,871.78 | 59,336.66 | 69,935.43 | 10,598.77 |
| 734.02 | 1,394.69 | 696.68 | 621.12 | 8,929.14 | 9,950.57 | 1,021.43 |
| 3,965.18 | 10,374.02 | 4,167.45 | 4,786.83 | 53,049.82 | 63,894.46 | 10,844.64 |
| 609.14 | 1,094.90 | 469.50 | 504.25 | 6,537.62 | 8,077.25 | 1,539.63 |
| 169.47 | 416.15 | 172.98 | 190.65 | 2,359.20 | 2,973.50 | 614.30 |
| 2,228.25 | 7,950.87 | 2,305.34 | 3,837.01 | 32,346.13 | 39,397.91 | 7,051.78 |
| 1,535.76 | 5,800.04 | 1,816.96 | 2,760.34 | 25,310.58 | 29,477.28 | 4,166.70 |
| 15,661.05 | 69,445.00 | 20,362.21 | 33,168.87 | 287,842.46 | 313,324.08 | 25,481.62 |
| 1,862.56 | 5,738.55 | 2,054.27 | 2,666.84 | 26,417.82 | 30,668.40 | 4,250.58 |
| 163,821.92 | 790,233.10 | 221,382.56 | 380,002.88 | 3,083,844.79 | 3,199,458.03 | 115,613.24 |
| 2,416.48 | 8,496.04 | 2,475.72 | 4,078.54 | 34,598.10 | 45,227.72 | 10,629.62 |
| 1,258.56 | 3,163.39 | 1,310.79 | 1,440.92 | 17,312.08 | 20,417.67 | 3,105.59 |
| 1,414.60 | 3,703.53 | 1,499.78 | 1,683.91 | 18,989.61 | 23,168.90 | 4,179.29 |
| 406.83 | 928.53 | 343.61 | 432.18 | 4,717.85 | 6,567.20 | 1,849.35 |
| 617.60 | 1,155.14 | 484.11 | 530.79 | 6,497.06 | 8,501.06 | 2,004.00 |
| 672.55 | 1,468.01 | 661.36 | 667.87 | 8,281.60 | 10,286.88 | 2,005.28 |
| 3,735.52 | 16,223.82 | 4,812.54 | 7,746.34 | 67,149.76 | 76,356.80 | 9,207.04 |
| 253.69 | 613.76 | 259.86 | 280.00 | 3,430.75 | 4,196.59 | 765.84 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount billed by the Commission against
or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Com- mission during year | Share of capital cost of system | Average horse- power supplied in year after correc- tion for power factor | Share of operating | | |
|------------------|--------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|------------|
| | To October 31, 1946 | | | Cost of power pur- chased | Operating main- tenance and adminis- trative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Holstein..... | 39.00 | 7,064.30 | 23.2 | 135.19 | 232.51 | 286.60 |
| Humberstone..... | 24.00 | 98,390.51 | 649.4 | 3,784.19 | 2,731.31 | 4,027.86 |
| Huntsville..... | 28.00 | 239,099.56 | 1,426.6 | 8,313.10 | 6,553.28 | 9,711.67 |
| Ingersoll..... | 25.00 | 567,102.60 | 3,723.1 | 21,695.28 | 16,624.95 | 23,180.85 |
| Iroquois..... | 25.50 | 50,127.01 | 364.9 | 2,126.35 | 1,657.41 | 2,035.80 |
| Jarvis..... | 34.50 | 45,652.39 | 197.0 | 1,147.96 | 1,335.58 | 1,867.13 |
| Kemptville..... | 32.00 | 88,094.98 | 465.2 | 2,710.82 | 3,301.73 | 3,620.87 |
| Kincardine..... | 35.50 | 173,105.99 | 907.5 | 5,288.20 | 5,335.90 | 7,030.92 |
| Kingston..... | 22.50 | 2,414,539.82 | 18,962.6 | 110,499.02 | 67,228.58 | 98,301.03 |
| Kingsville..... | 32.50 | 163,874.37 | 793.0 | 4,620.98 | 4,616.24 | 6,561.46 |
| Kirkfield..... | 39.00 | 8,913.79 | 26.4 | 153.84 | 191.56 | 365.63 |
| Kitchener..... | 22.50 | 4,269,866.76 | 30,011.5 | 174,883.26 | 110,541.74 | 174,825.04 |
| Lakefield..... | 25.00 | 79,627.22 | 527.1 | 3,071.52 | 2,475.30 | 3,260.53 |
| Lambeth..... | 32.00 | 33,087.13 | 177.9 | 1,036.66 | 1,049.61 | 1,352.43 |
| Lanark..... | 39.00 | 39,607.61 | 131.0 | 763.36 | 1,155.73 | 1,630.11 |
| Lancaster..... | 39.00 | 15,627.98 | 61.7 | 359.54 | 614.77 | 637.13 |
| LaSalle..... | 31.00 | 75,073.96 | 380.9 | 2,219.58 | 2,327.07 | 3,205.97 |
| Leamington..... | 32.00 | 484,952.89 | 2,322.8 | 13,535.44 | 13,642.13 | 19,149.55 |
| Lindsay..... | 26.50 | 634,777.82 | 3,856.9 | 22,474.96 | 21,863.12 | 25,919.51 |
| Listowel..... | 30.00 | 306,818.87 | 1,684.7 | 9,817.10 | 9,965.28 | 12,535.61 |
| London..... | 22.50 | 6,706,559.74 | 47,121.9 | 274,589.12 | 177,323.39 | 274,847.32 |
| London Twp..... | 27.00 | 107,328.26 | 657.7 | 3,832.55 | 3,276.72 | 4,383.73 |
| Long Branch..... | 24.50 | 279,642.47 | 1,908.1 | 11,118.90 | 8,141.93 | 11,414.26 |
| Lucan..... | 31.00 | 44,083.25 | 256.8 | 1,496.43 | 1,485.93 | 1,795.24 |
| Lucknow..... | 39.00 | 105,856.16 | 497.0 | 2,896.12 | 3,130.89 | 4,285.70 |
| Lynden..... | 31.00 | 23,707.11 | 135.5 | 789.59 | 829.82 | 954.22 |
| Madoc..... | 39.00 | 48,715.23 | 279.3 | 1,627.54 | 2,453.67 | 1,978.87 |
| Markdale..... | 31.50 | 36,187.36 | 232.5 | 1,354.83 | 1,354.32 | 1,452.90 |
| Markham..... | 28.00 | 80,027.67 | 477.0 | 2,779.58 | 2,355.30 | 3,235.57 |
| Marmora..... | 33.00 | 31,520.28 | 170.0 | 990.63 | 1,347.93 | 1,280.75 |
| Martintown..... | 36.00 | 9,552.68 | 58.4 | 340.31 | 439.23 | 381.17 |
| Maxville..... | 39.00 | 28,414.11 | 138.9 | 809.40 | 896.40 | 1,218.75 |
| Meaford..... | 32.50 | 164,581.53 | 942.0 | 5,489.23 | 5,140.49 | 6,685.88 |
| Merlin..... | 34.00 | 26,008.20 | 127.1 | 740.64 | 969.56 | 1,052.53 |
| Merritton..... | 20.00 | 1,214,643.43 | 10,071.8 | 58,690.47 | 31,488.20 | 49,634.33 |
| Midland..... | 26.00 | 599,356.60 | 4,368.8 | 25,457.91 | 16,540.01 | 23,985.19 |
| Mildmay..... | 35.50 | 35,836.80 | 192.8 | 1,123.49 | 1,133.74 | 1,441.19 |
| Millbrook..... | 31.50 | 28,982.87 | 146.1 | 851.36 | 811.99 | 1,219.51 |
| Milton..... | 28.00 | 268,225.53 | 1,728.1 | 10,070.00 | 8,678.76 | 10,898.94 |
| Milverton..... | 30.50 | 99,833.43 | 518.3 | 3,020.24 | 3,087.09 | 4,085.30 |

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 107.62 | 127.04 | 73.33 | 56.49 | 905.80 | 905.80 | |
| 864.75 | 3,347.40 | 1,033.31 | 1,581.16 | 14,207.66 | 15,586.60 | 1,378.94 |
| 2,799.58 | 7,315.31 | 2,498.89 | 3,473.49 | 33,718.34 | 39,943.41 | 6,225.07 |
| 4,830.78 | 19,101.63 | 5,955.78 | 9,065.02 | 82,324.25 | 93,077.28 | 10,753.03 |
| 494.06 | 1,848.71 | 526.18 | 888.46 | 7,800.05 | 9,305.60 | 1,505.55 |
| 488.79 | 1,064.12 | 477.43 | 479.66 | 5,901.35 | 6,796.50 | 895.15 |
| 1,113.62 | 2,428.65 | 925.51 | 1,132.67 | 12,968.53 | 14,885.60 | 1,917.07 |
| 2,232.76 | 4,718.17 | 1,827.52 | 2,209.59 | 24,223.88 | 32,216.54 | 7,992.66 |
| 21,865.77 | 95,112.17 | 25,338.50 | 46,170.26 | 372,174.81 | 426,659.04 | 54,484.23 |
| 1,581.44 | 4,237.68 | 1,691.20 | 1,930.80 | 21,378.20 | 25,773.60 | 4,395.40 |
| 141.59 | 148.40 | 93.51 | 64.28 | 1,030.25 | 1,030.25 | |
| 34,179.66 | 152,888.22 | 44,837.52 | 73,072.19 | 619,083.25 | 675,258.55 | 56,175.30 |
| 858.00 | 2,690.11 | 836.06 | 1,283.39 | 11,908.13 | 13,176.65 | 1,268.52 |
| 320.41 | 931.49 | 347.66 | 433.15 | 4,605.11 | 5,693.88 | 1,088.77 |
| 609.60 | 724.95 | 416.47 | 318.96 | 4,981.26 | 5,110.01 | 128.75 |
| 224.33 | 331.56 | 163.09 | 150.23 | 2,180.19 | 2,404.69 | 224.50 |
| 780.74 | 2,045.21 | 827.16 | 927.42 | 10,478.31 | 11,808.42 | 1,330.11 |
| 4,612.71 | 12,347.51 | 4,940.02 | 5,655.57 | 62,571.79 | 74,328.28 | 11,756.49 |
| 7,320.73 | 19,851.65 | 6,666.54 | 9,390.80 | 94,705.71 | 102,208.51 | 7,502.80 |
| 2,861.66 | 8,854.97 | 3,225.25 | 4,101.92 | 43,157.95 | 50,540.75 | 7,382.80 |
| 54,006.16 | 240,166.02 | 70,420.03 | 114,732.69 | 976,619.35 | 1,060,241.80 | 83,622.45 |
| 959.63 | 3,402.95 | 1,127.38 | 1,601.37 | 15,381.59 | 17,758.16 | 2,376.57 |
| 2,327.50 | 9,746.30 | 2,933.07 | 4,645.85 | 41,036.11 | 46,747.43 | 5,711.32 |
| 407.34 | 1,340.09 | 463.11 | 625.26 | 6,362.88 | 7,960.05 | 1,597.17 |
| 1,427.56 | 2,621.30 | 1,108.67 | 1,210.10 | 14,260.14 | 19,382.38 | 5,122.24 |
| 220.78 | 706.00 | 247.38 | 329.92 | 3,417.87 | 4,199.47 | 781.60 |
| 585.39 | 1,452.49 | 511.86 | 680.04 | 7,929.78 | 10,892.07 | 2,962.29 |
| 400.66 | 1,183.70 | 377.98 | 566.09 | 5,558.30 | 7,324.29 | 1,765.99 |
| 690.30 | 2,465.31 | 833.28 | 1,161.40 | 11,197.94 | 13,355.53 | 2,157.59 |
| 393.51 | 899.21 | 331.13 | 413.92 | 4,829.24 | 5,610.58 | 781.34 |
| 107.54 | 300.74 | 99.20 | 142.19 | 1,526.00 | 2,100.90 | 574.90 |
| 401.89 | 740.93 | 312.87 | 338.19 | 4,042.05 | 5,416.80 | 1,374.75 |
| 2,008.84 | 4,853.48 | 1,734.41 | 2,293.59 | 23,618.74 | 30,614.99 | 6,996.25 |
| 257.20 | 676.25 | 270.93 | 309.46 | 3,657.65 | 4,320.25 | 662.60 |
| 8,778.46 | 50,357.72 | 12,726.54 | 24,522.88 | 187,152.84 | 201,436.49 | 14,283.65 |
| 5,916.24 | 21,930.16 | 6,253.57 | 10,637.18 | 89,445.90 | 113,589.44 | 24,143.54 |
| 446.14 | 1,005.56 | 373.40 | 469.43 | 5,054.09 | 6,844.42 | 1,790.33 |
| 392.59 | 784.04 | 313.22 | 355.73 | 4,016.98 | 4,602.43 | 585.45 |
| 2,336.34 | 8,838.20 | 2,816.71 | 4,207.59 | 39,431.36 | 48,387.24 | 8,955.88 |
| 961.99 | 2,754.27 | 1,049.53 | 1,261.96 | 13,696.46 | 15,806.87 | 2,110.41 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount billed by the Commission against
or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Com- mission during year | Share of capital cost of system | Average horse- power supplied in year after correc- tion for power factor | Share of operating | | |
|---------------------------|--------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|------------|
| | To October 31, 1946 | | | Cost of power pur- chased | Operating main- tenance and adminis- trative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Mimico..... | 23.00 | 489,537.78 | 3 578.5 | 20,852.66 | 14,094.69 | 20,016.47 |
| Mitchell..... | 28.00 | 149,557.06 | 904.3 | 5,269.54 | 4,838.87 | 6,104.02 |
| Moorefield..... | 39.00 | 33,158.68 | 116.9 | 681.20 | 1,314.72 | 1,363.63 |
| Morrisburg..... | 28.00 | 69,015.93 | 452.9 | 2,639.14 | 2,114.95 | 2,802.58 |
| Mount Brydges..... | 31.50 | 24,130.57 | 139.2 | 811.15 | 951.37 | 985.77 |
| Mount Forest..... | 38.50 | 158,325.20 | 710.7 | 4,141.40 | 4,830.75 | 6,194.68 |
| Napanee..... | 25.50 | 255,305.39 | 1,783.9 | 10,395.16 | 9,490.63 | 10,399.67 |
| Neustadt..... | 36.00 | 8,149.71 | 47.6 | 277.38 | 454.26 | 327.01 |
| Newbury..... | 39.00 | 11,149.68 | 49.7 | 289.61 | 497.84 | 453.94 |
| Newcastle..... | 29.50 | 47,349.98 | 286.2 | 1,667.75 | 1,359.73 | 1,936.00 |
| New Hamburg..... | 27.50 | 147,975.80 | 780.6 | 4,548.72 | 3,994.05 | 5,375.97 |
| Newmarket..... | 27.25 | 390,319.67 | 2,393.2 | 13,945.67 | 11,074.61 | 15,832.43 |
| New Toronto..... | 24.50 | 1,523,847.84 | 9,607.9 | 55,987.23 | 44,574.21 | 62,472.61 |
| Niagara Falls..... | 17.75 | 1,242,942.22 | 12,709.6 | 74,061.48 | 32,511.94 | 50,799.74 |
| Niagara-on-the-Lake.. | 22.50 | 127,077.05 | 1,051.9 | 6,129.64 | 3,638.83 | 5,169.85 |
| North York Twp..... | 24.00 | 1,887,319.91 | 12,675.6 | 73,863.36 | 51,285.80 | 76,422.11 |
| Norwich..... | 29.00 | 97,756.75 | 574.5 | 3,347.73 | 3,118.71 | 3,981.64 |
| Norwood..... | 31.50 | 37,121.18 | 244.0 | 1,421.84 | 1,264.49 | 1,518.01 |
| Oil Springs..... | 35.00 | 38,924.86 | 201.5 | 1,174.18 | 1,443.40 | 1,577.18 |
| Omenee..... | 30.00 | 46,391.20 | 269.3 | 1,569.27 | 1,375.56 | 1,877.94 |
| Orangeville..... | 37.50 | 192,235.47 | 1,006.3 | 5,863.92 | 6,316.56 | 7,296.19 |
| Orono..... | 37.00 | 23,533.45 | 124.9 | 727.82 | 817.93 | 954.64 |
| Oshawa..... | 26.00 | 2,911,495.13 | 19,526.5 | 113,784.98 | 94,363.39 | 118,627.07 |
| Ottawa (11,000 volt)..... | | 964.69 | 19,825.2 | 218,076.80 | 20,047.04 | 39.77 |
| Ottawa..... | 21.50 | 2,360,827.11 | 21,269.1 | 123,939.47 | 64,961.64 | 95,701.16 |
| Otterville..... | 33.00 | 28,825.74 | 145.9 | 850.19 | 992.40 | 1,179.28 |
| Owen Sound..... | 27.00 | 1,220,935.05 | 7,998.6 | 46,609.51 | 30,875.32 | 49,238.77 |
| Paisley..... | 39.00 | 40,282.83 | 195.4 | 1,138.64 | 1,362.32 | 1,633.21 |
| Palmerston..... | 33.00 | 142,616.17 | 710.9 | 4,142.56 | 4,956.18 | 5,824.86 |
| Paris..... | 23.00 | 328,034.32 | 2,263.6 | 13,190.47 | 9,438.30 | 13,446.00 |
| Parkhill..... | 39.00 | 73,789.70 | 316.7 | 1,845.48 | 2,814.72 | 3,018.07 |
| Penetanguishene..... | 28.50 | 201,719.11 | 1,331.0 | 7,756.01 | 5,641.28 | 8,122.18 |
| Perth..... | 25.00 | 310,230.11 | 2,115.4 | 12,326.88 | 8,889.40 | 12,645.92 |
| Peterborough..... | 22.00 | 2,540,966.49 | 19,729.4 | 114,967.32 | 69,551.88 | 103,696.52 |
| Petrolia..... | 32.50 | 239,970.39 | 1,300.7 | 7,579.45 | 7,939.37 | 9,744.29 |
| Picton..... | 31.50 | 302,731.77 | 1,753.8 | 10,219.76 | 9,516.22 | 12,325.59 |
| Plattsville..... | 36.00 | 45,973.25 | 184.6 | 1,075.71 | 1,420.71 | 1,663.02 |
| Point Edward..... | 32.00 | 270,696.53 | 1,650.8 | 9,619.56 | 13,179.63 | 10,973.86 |
| Port Colborne..... | 24.00 | 342,972.87 | 2,263.7 | 13,191.05 | 9,073.71 | 14,042.82 |
| Port Credit..... | 25.50 | 179,571.35 | 1,196.5 | 6,972.25 | 5,331.08 | 7,327.72 |

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,850.66 | 18,124.34 | 5,139.64 | 8,712.95 | 73,365.51 | 82,304.49 | 8,938.98 |
| 1,332.35 | 4,685.39 | 1,571.86 | 2,201.79 | 21,600.24 | 25,320.17 | 3,719.93 |
| 376.33 | 650.38 | 348.59 | 284.63 | 4,450.22 | 4,558.47 | 108.25 |
| 749.20 | 2,327.76 | 724.68 | 1,102.72 | 10,255.59 | 12,680.51 | 2,424.92 |
| 224.33 | 724.44 | 253.51 | 338.93 | 3,611.64 | 4,384.02 | 772.38 |
| 2,076.21 | 3,740.35 | 1,603.71 | 1,730.42 | 20,856.68 | 27,361.61 | 6,504.93 |
| 2,620.18 | 9,110.74 | 2,680.22 | 4,343.45 | 40,353.15 | 45,489.03 | 5,135.88 |
| 96.85 | 244.95 | 85.19 | 115.90 | 1,369.74 | 1,713.60 | 343.86 |
| 114.98 | 267.06 | 116.06 | 121.01 | 1,618.48 | 1,938.64 | 320.16 |
| 548.14 | 1,486.09 | 497.27 | 696.84 | 6,798.14 | 8,444.13 | 1,645.99 |
| 1,198.16 | 4,051.00 | 1,383.24 | 1,900.61 | 18,650.53 | 21,466.73 | 2,816.20 |
| 3,298.08 | 12,312.42 | 4,064.71 | 5,826.98 | 54,700.94 | 65,215.83 | 10,514.89 |
| 13,472.01 | 49,703.72 | 15,999.05 | 23,393.37 | 218,815.46 | 235,394.26 | 16,578.80 |
| 6,930.64 | 62,147.34 | 13,033.97 | 30,945.41 | 208,539.70 | 225,594.95 | 17,055.25 |
| 936.70 | 5,205.42 | 1,333.64 | 2,561.17 | 19,852.91 | 23,667.00 | 3,814.09 |
| 14,770.09 | 64,527.87 | 19,634.60 | 30,862.63 | 269,641.20 | 304,213.20 | 34,572.00 |
| 899.17 | 2,990.30 | 1,026.94 | 1,398.80 | 13,965.69 | 16,660.72 | 2,695.03 |
| 402.40 | 1,256.81 | 389.77 | 594.09 | 5,659.23 | 7,686.29 | 2,027.06 |
| 379.48 | 1,068.41 | 409.02 | 490.61 | 5,561.06 | 7,051.35 | 1,490.29 |
| 547.77 | 1,401.57 | 484.75 | 655.69 | 6,601.17 | 8,080.25 | 1,479.08 |
| 2,235.88 | 5,195.47 | 1,900.15 | 2,450.15 | 26,358.02 | 37,736.27 | 11,378.25 |
| 296.60 | 655.71 | 247.23 | 304.11 | 3,395.82 | 4,619.75 | 1,223.93 |
| 31,017.01 | 99,540.72 | 30,567.78 | 47,543.24 | 440,357.71 | 507,688.33 | 67,330.62 |
| 19.30 | 4.82 | 10.16 | ..... | 238,197.89 | 238,197.89 | ..... |
| 17,737.04 | 105,482.64 | 24,762.05 | 51,786.14 | 380,797.86 | 457,285.80 | 76,487.94 |
| 288.34 | 769.41 | 302.91 | 355.24 | 4,027.29 | 4,814.71 | 787.42 |
| 13,303.80 | 40,651.06 | 12,750.88 | 19,475.04 | 173,954.30 | 215,962.23 | 42,007.93 |
| 534.15 | 1,026.33 | 421.61 | 475.76 | 5,640.50 | 7,621.60 | 1,981.10 |
| 1,403.15 | 3,783.65 | 1,498.29 | 1,730.90 | 19,877.79 | 23,459.73 | 3,581.94 |
| 2,687.39 | 11,548.48 | 3,444.38 | 5,511.43 | 48,243.59 | 52,062.41 | 3,818.82 |
| 793.69 | 1,699.94 | 775.66 | 771.10 | 10,176.46 | 12,351.34 | 2,174.88 |
| 2,184.84 | 6,754.87 | 2,106.55 | 3,240.73 | 29,325.00 | 37,932.56 | 8,607.56 |
| 3,256.67 | 10,779.55 | 3,257.03 | 5,150.59 | 46,004.86 | 52,883.94 | 6,879.08 |
| 23,325.18 | 99,051.91 | 26,665.98 | 48,037.27 | 389,221.52 | 434,047.17 | 44,825.65 |
| 2,280.16 | 6,851.11 | 2,521.37 | 3,166.95 | 33,748.80 | 42,354.08 | 8,605.28 |
| 3,610.61 | 9,051.42 | 3,179.73 | 4,270.16 | 43,633.17 | 55,246.03 | 11,612.86 |
| 429.15 | 986.59 | 428.32 | 449.47 | 5,554.03 | 6,645.60 | 1,091.57 |
| 2,385.91 | 8,561.86 | 2,843.42 | 4,019.38 | 43,544.86 | 52,826.68 | 9,281.82 |
| 3,014.38 | 11,668.49 | 3,601.95 | 5,511.67 | 49,080.73 | 54,328.40 | 5,247.67 |
| 1,525.80 | 6,134.64 | 1,885.77 | 2,913.25 | 26,264.01 | 30,509.69 | 4,245.68 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount billed by the Commission against or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | Share of capital cost of system | Average horse-power supplied in year after correction for power factor | Share of operating | | |
|----------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|-------------------------|----------------------------------------------------|------------|
| | To October 31, 1946 | | | Cost of power purchased | Operating maintenance and administrative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Port Dalhousie..... | 24.50 | 164,266.40 | 1,169.3 | 6,813.75 | 5,283.62 | 6,690.05 |
| Port Dover..... | 31.00 | 129,777.69 | 683.3 | 3,981.73 | 4,716.52 | 5,215.09 |
| Port Elgin..... | 34.00 | 139,523.00 | 652.7 | 3,803.42 | 4,055.80 | 5,650.16 |
| Port Hope..... | 26.00 | 453,974.88 | 3,169.6 | 18,469.92 | 17,930.46 | 18,530.15 |
| Port McNicoll..... | 32.00 | 19,334.17 | 129.4 | 754.04 | 652.66 | 773.55 |
| Port Perry..... | 39.00 | 78,581.47 | 410.5 | 2,392.07 | 3,103.43 | 3,153.89 |
| Port Rowan..... | 34.50 | 32,044.84 | 145.1 | 845.53 | 1,349.22 | 1,317.95 |
| Port Stanley..... | 32.50 | 165,398.46 | 830.6 | 4,840.08 | 5,407.57 | 6,531.72 |
| Prescott..... | 25.00 | 239,272.32 | 1,602.2 | 9,336.35 | 6,366.50 | 9,737.15 |
| Preston..... | 23.00 | 643,693.83 | 4,540.5 | 26,458.44 | 17,907.78 | 26,343.47 |
| Priceville..... | 39.00 | 2,871.56 | 11.7 | 68.18 | 192.16 | 100.63 |
| Princeton..... | 37.50 | 41,220.24 | 181.2 | 1,055.89 | 1,476.41 | 1,687.39 |
| Queenston..... | 23.00 | 19,421.17 | 161.1 | 938.76 | 663.72 | 792.99 |
| Renfrew..... | 28.00 | 124,953.80 | 853.9 | 4,975.85 | 5,418.56 | 5,117.04 |
| Richmond..... | 39.00 | 22,654.96 | 99.9 | 582.14 | 713.15 | 923.37 |
| Richmond Hill..... | 24.00 | 111,210.91 | 689.3 | 4,016.69 | 2,893.12 | 4,527.18 |
| Ridgetown..... | 30.50 | 131,950.95 | 710.0 | 4,137.32 | 4,500.77 | 5,323.10 |
| Ripley..... | 39.00 | 40,185.82 | 154.3 | 899.14 | 1,358.97 | 1,647.09 |
| Riverside..... | 30.00 | 318,910.84 | 1,598.7 | 9,315.96 | 8,892.03 | 12,707.87 |
| Rockwood..... | 31.00 | 34,620.64 | 187.0 | 1,089.69 | 1,051.95 | 1,418.17 |
| Rodney..... | 39.00 | 42,857.08 | 186.3 | 1,085.61 | 1,754.22 | 1,691.17 |
| Rosseau..... | 39.00 | 21,564.83 | 44.6 | 259.89 | (158.62) | 886.14 |
| Russell..... | 39.00 | 23,738.20 | 107.8 | 628.17 | 808.77 | 967.26 |
| St. Catharines..... | 19.50 | 3,394,829.39 | 28,088.8 | 163,679.28 | 90,532.42 | 139,029.55 |
| St. Clair Beach..... | 35.00 | 28,606.33 | 131.3 | 765.11 | 1,011.99 | 1,139.81 |
| St. George..... | 35.00 | 44,728.91 | 231.6 | 1,349.58 | 1,712.35 | 1,815.68 |
| St. Jacobs..... | 27.50 | 59,903.54 | 379.7 | 2,212.59 | 1,776.10 | 2,428.37 |
| St. Marys..... | 30.00 | 348,369.48 | 2,115.6 | 12,328.05 | 13,711.42 | 14,212.26 |
| St. Thomas..... | 23.50 | 1,343,222.14 | 9,264.6 | 53,986.75 | 42,868.65 | 55,099.79 |
| Sarnia..... | 28.00 | 1,319,334.27 | 7,802.2 | 45,465.04 | 39,132.10 | 53,864.10 |
| Scarborough Twp.... | 25.00 | 1,033,454.16 | 6,627.0 | 38,616.91 | 27,102.83 | 42,252.52 |
| Seaforth..... | 29.00 | 202,208.49 | 1,191.2 | 6,941.37 | 6,397.45 | 8,245.90 |
| Shelburne..... | 36.50 | 67,329.22 | 352.1 | 2,051.76 | 2,343.86 | 2,538.15 |
| Simcoe..... | 25.00 | 486,607.40 | 3,157.4 | 18,398.83 | 14,197.59 | 19,893.30 |
| Smiths Falls..... | 23.50 | 480,891.31 | 3,659.9 | 21,327.00 | 13,067.18 | 19,549.82 |
| Smithville..... | 29.50 | 50,749.74 | 277.0 | 1,614.14 | 1,348.37 | 2,002.30 |
| Southampton..... | 32.50 | 138,647.84 | 666.7 | 3,885.00 | 3,755.66 | 5,601.71 |
| Springfield..... | 39.00 | 20,181.65 | 96.8 | 564.07 | 793.83 | 824.45 |
| Stamford Twp..... | 17.75 | 375,930.68 | 3,860.3 | 22,494.77 | 10,455.09 | 15,365.53 |
| Stayner..... | 32.50 | 59,141.47 | 356.8 | 2,079.15 | 1,915.48 | 2,347.79 |

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,367.91 | 5,935.51 | 1,722.34 | 2,847.02 | 24,966.16 | 28,648.46 | 3,682.30 |
| 1,234.43 | 3,588.71 | 1,340.04 | 1,663.70 | 18,412.82 | 21,181.24 | 2,768.42 |
| 1,883.53 | 3,434.56 | 1,460.60 | 1,589.20 | 18,698.87 | 22,193.23 | 3,494.36 |
| 4,662.56 | 16,141.23 | 4,765.88 | 7,717.36 | 72,782.84 | 82,409.38 | 9,626.54 |
| 206.87 | 658.28 | 201.88 | 315.06 | 2,932.22 | 4,139.19 | 1,206.97 |
| 1,001.20 | 2,128.14 | 822.05 | 999.49 | 11,601.29 | 16,007.57 | 4,406.28 |
| 336.51 | 780.19 | 336.76 | 353.29 | 4,612.87 | 5,005.68 | 392.81 |
| 1,581.81 | 4,388.46 | 1,683.44 | 2,022.35 | 22,410.73 | 26,995.60 | 4,584.87 |
| 2,552.78 | 8,184.18 | 2,512.25 | 3,901.05 | 34,788.16 | 40,054.37 | 5,266.21 |
| 5,175.31 | 23,127.95 | 6,758.82 | 11,055.24 | 94,716.53 | 104,431.29 | 9,714.76 |
| 33.47 | 63.02 | 26.03 | 28.49 | 455.00 | 455.00 | |
| 440.63 | 968.92 | 434.03 | 441.19 | 5,622.08 | 6,794.06 | 1,171.98 |
| 142.85 | 802.28 | 203.82 | 392.25 | 3,152.17 | 3,705.87 | 553.70 |
| 1,303.76 | 4,351.39 | 1,309.03 | 2,079.08 | 20,396.55 | 23,910.12 | 3,513.57 |
| 314.64 | 527.52 | 238.10 | 243.24 | 3,055.68 | 3,895.47 | 839.79 |
| 931.77 | 3,550.22 | 1,157.99 | 1,678.31 | 15,398.66 | 16,542.60 | 1,143.94 |
| 1,236.71 | 3,734.40 | 1,373.05 | 1,728.71 | 18,576.64 | 21,653.47 | 3,076.83 |
| 589.63 | 832.12 | 421.29 | 375.69 | 5,372.55 | 6,017.08 | 644.53 |
| 2,997.43 | 8,511.37 | 3,275.55 | 3,892.52 | 41,807.69 | 47,961.00 | 6,153.31 |
| 334.88 | 983.44 | 363.68 | 455.31 | 4,786.50 | 5,798.32 | 1,011.82 |
| 434.48 | 995.36 | 433.52 | 453.60 | 5,940.76 | 7,263.79 | 1,323.03 |
| 369.32 | 266.43 | 226.49 | 108.59 | 1,741.06 | 1,741.06 | |
| 323.43 | 568.23 | 248.88 | 262.47 | 3,282.27 | 4,202.61 | 920.34 |
| 24,613.58 | 140,413.95 | 35,573.08 | 68,390.78 | 525,451.08 | 547,731.74 | 22,280.66 |
| 282.43 | 704.99 | 294.46 | 319.69 | 3,879.10 | 4,594.36 | 715.26 |
| 442.45 | 1,222.57 | 469.99 | 563.90 | 6,448.72 | 8,106.57 | 1,657.85 |
| 520.67 | 1,958.51 | 629.22 | 924.50 | 8,600.96 | 10,440.60 | 1,839.94 |
| 3,050.91 | 10,991.48 | 3,659.35 | 5,151.07 | 52,802.40 | 63,468.50 | 10,666.10 |
| 10,987.96 | 47,342.82 | 14,104.86 | 22,557.51 | 201,833.32 | 217,717.70 | 15,884.38 |
| 11,875.66 | 40,558.02 | 13,859.47 | 18,996.84 | 185,757.55 | 218,461.13 | 32,703.58 |
| 8,579.40 | 34,006.21 | 10,853.18 | 16,135.46 | 145,275.59 | 165,673.64 | 20,398.05 |
| 1,833.09 | 6,183.72 | 2,125.33 | 2,900.34 | 28,826.52 | 34,545.04 | 5,718.52 |
| 773.90 | 1,824.79 | 660.41 | 857.30 | 9,335.57 | 12,851.95 | 3,516.38 |
| 4,161.82 | 16,205.31 | 5,109.42 | 7,687.66 | 70,278.61 | 78,934.16 | 8,655.55 |
| 4,517.53 | 18,483.15 | 5,047.02 | 8,911.15 | 73,080.55 | 86,008.06 | 12,927.51 |
| 477.02 | 1,437.62 | 515.40 | 674.44 | 6,720.41 | 8,172.24 | 1,451.83 |
| 1,846.57 | 3,502.27 | 1,451.19 | 1,623.29 | 18,419.11 | 21,669.09 | 3,249.98 |
| 207.01 | 511.38 | 212.10 | 235.69 | 2,877.15 | 3,775.57 | 898.42 |
| 2,081.21 | 18,868.72 | 3,942.09 | 9,399.08 | 63,808.33 | 68,519.43 | 4,711.10 |
| 674.97 | 1,843.06 | 611.70 | 868.74 | 8,603.41 | 11,597.09 | 2,993.68 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount billed by the Commission against or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | Share of capital cost of system | Average horse-power supplied in year after correction for power factor | Share of operating | | |
|-----------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|-------------------------|----------------------------------------------------|--------------|
| | To October 31, 1946 | | | Cost of power purchased | Operating maintenance and administrative expenses* | Interest |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Stirling..... | 23.00 | 53,432.86 | 435.0 | 2,534.84 | 1,647.20 | 2,171.18 |
| Stouffville..... | 31.00 | 92,532.41 | 501.1 | 2,920.01 | 2,892.04 | 3,701.54 |
| Stratford..... | 25.00 | 1,338,722.04 | 8,682.4 | 50,594.15 | 39,561.27 | 54,836.86 |
| Strathroy..... | 26.50 | 287,633.36 | 1,786.6 | 10,410.89 | 8,068.45 | 11,741.56 |
| Streetsville..... | 29.00 | 40,588.98 | 257.9 | 1,502.84 | 1,482.66 | 1,652.05 |
| Sunderland..... | 39.00 | 25,470.16 | 119.1 | 694.02 | 1,033.81 | 1,036.30 |
| Sutton..... | 38.00 | 96,696.76 | 430.4 | 2,508.03 | 3,595.70 | 3,929.82 |
| Swansea..... | 25.00 | 488,978.42 | 3,524.6 | 20,538.58 | 24,793.14 | 20,011.86 |
| Tara..... | 36.50 | 35,210.33 | 176.0 | 1,025.59 | 1,052.79 | 1,427.24 |
| Tavistock..... | 29.00 | 134,714.70 | 752.0 | 4,382.06 | 4,183.17 | 5,513.56 |
| Tecumseh..... | 32.00 | 112,701.26 | 535.3 | 3,119.30 | 3,376.77 | 4,493.65 |
| Teeswater..... | 39.00 | 46,564.22 | 214.3 | 1,248.77 | 1,474.09 | 1,885.91 |
| Thamesford..... | 33.00 | 57,964.89 | 316.8 | 1,846.06 | 1,946.27 | 2,359.64 |
| Thamesville..... | 31.50 | 53,533.15 | 290.6 | 1,693.39 | 2,011.93 | 2,161.41 |
| Thedford..... | 39.00 | 38,757.79 | 143.9 | 838.54 | 1,679.84 | 1,592.00 |
| Thornbury..... | 50.00 | 33,918.49 | 135.0 | 786.67 | 1,276.29 | 1,305.52 |
| Thorndale..... | 39.00 | 25,999.39 | 116.0 | 675.96 | 992.55 | 1,065.63 |
| Thornton..... | 39.00 | 10,558.51 | 45.9 | 267.47 | 342.91 | 434.96 |
| Thorold..... | 22.50 | 444,201.88 | 3,558.8 | 20,737.87 | 13,949.80 | 18,038.70 |
| Tilbury..... | 30.00 | 191,788.18 | 1,034.2 | 6,026.50 | 6,505.43 | 7,674.01 |
| Tillsonburg..... | 26.50 | 316,359.71 | 1,975.8 | 11,513.40 | 9,682.80 | 12,915.51 |
| Toronto..... | 21.50 | 56,120,438.61 | 405,804.2 | 2,364,705.56 | 1,372,555.65 | 2,300,215.85 |
| Toronto Twp..... | 26.00 | 734,508.44 | 4,820.2 | 28,088.31 | 21,817.35 | 30,021.79 |
| Tottenham..... | 39.00 | 42,566.73 | 148.6 | 865.92 | 1,499.11 | 1,765.77 |
| Trafalgar..... | 27.50 | 138,486.84 | 816.7 | 4,759.09 | 4,749.26 | 5,678.11 |
| Trenton..... | 21.00 | 698,503.30 | 5,957.2 | 34,713.84 | 18,803.96 | 28,408.97 |
| Tweed..... | 39.00 | 83,809.41 | 397.3 | 2,315.15 | 3,560.17 | 3,414.56 |
| Uxbridge..... | 39.00 | 94,754.43 | 487.1 | 2,838.43 | 3,499.83 | 3,807.49 |
| Victoria Harbour..... | 33.50 | 17,299.47 | 96.7 | 563.49 | 767.38 | 650.09 |
| Walkerton..... | 28.00 | 190,047.19 | 1,312.8 | 7,649.96 | 5,213.19 | 7,634.19 |
| Wallaceburg..... | 30.00 | 949,785.07 | 5,331.7 | 31,068.93 | 29,440.39 | 38,182.67 |
| Wardsville..... | 39.00 | 14,868.63 | 62.6 | 364.78 | 646.97 | 605.57 |
| Warkworth..... | 34.00 | 23,895.75 | 100.3 | 584.47 | 907.41 | 868.91 |
| Waterdown..... | 26.00 | 54,214.27 | 350.8 | 2,044.18 | 1,838.52 | 2,198.29 |
| Waterford..... | 27.00 | 87,386.92 | 542.3 | 3,160.10 | 2,606.49 | 3,559.09 |

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Revenue received in excess of cost of power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|-------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | | | | |
| | | | Credit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 462.48 | 2,177.84 | 560.66 | 1,059.14 | 8,495.06 | 10,004.04 | 1,508.98 |
| 834.96 | 2,607.27 | 952.44 | 1,220.08 | 12,688.18 | 15,533.58 | 2,845.40 |
| 11,333.99 | 44,713.25 | 14,068.10 | 21,139.96 | 193,967.66 | 217,059.98 | 23,092.32 |
| 2,547.98 | 9,188.81 | 3,021.19 | 4,350.02 | 40,628.86 | 47,345.80 | 6,716.94 |
| 357.15 | 1,329.76 | 426.31 | 627.94 | 6,122.83 | 7,480.08 | 1,357.25 |
| 343.91 | 626.12 | 266.63 | 289.99 | 3,710.80 | 4,646.24 | 935.44 |
| 990.64 | 2,292.99 | 1,010.06 | 1,047.94 | 13,279.30 | 16,355.20 | 3,075.90 |
| 3,653.70 | 17,835.47 | 5,133.98 | 8,581.72 | 83,385.01 | 88,115.61 | 4,730.60 |
| 459.66 | 930.81 | 368.45 | 428.53 | 4,836.01 | 6,424.31 | 1,588.30 |
| 1,263.14 | 3,950.39 | 1,416.06 | 1,830.97 | 18,877.41 | 21,807.76 | 2,930.35 |
| 1,092.41 | 2,864.70 | 1,159.09 | 1,303.36 | 14,802.56 | 17,128.25 | 2,325.69 |
| 633.92 | 1,153.61 | 487.72 | 521.78 | 6,362.24 | 8,358.80 | 1,996.56 |
| 556.23 | 1,662.03 | 609.03 | 771.35 | 8,207.91 | 10,453.06 | 2,245.15 |
| 499.07 | 1,528.87 | 557.00 | 707.55 | 7,744.12 | 9,152.34 | 1,408.22 |
| 435.21 | 791.50 | 407.38 | 350.37 | 5,394.10 | 5,612.14 | 218.04 |
| 455.81 | 720.05 | 336.97 | 328.70 | 4,552.61 | 6,751.24 | 2,198.63 |
| 275.29 | 618.23 | 273.28 | 282.44 | 3,618.50 | 4,523.06 | 904.56 |
| 150.51 | 247.38 | 112.22 | 111.76 | 1,443.69 | 1,790.77 | 347.08 |
| 3,327.05 | 17,880.64 | 4,654.95 | 8,664.99 | 69,924.02 | 80,072.08 | 10,148.06 |
| 1,824.12 | 5,449.46 | 1,995.63 | 2,518.08 | 26,957.07 | 31,025.50 | 4,068.43 |
| 2,794.73 | 10,174.97 | 3,322.89 | 4,810.69 | 45,593.61 | 52,359.35 | 6,765.74 |
| 417,997.53 | 2,052,593.53 | 589,225.39 | 988,054.58 | 8,109,238.93 | 8,724,789.36 | 615,550.43 |
| 6,313.36 | 24,748.91 | 7,713.90 | 11,736.26 | 106,967.36 | 125,323.88 | 18,356.52 |
| 654.96 | 812.89 | 451.59 | 361.81 | 5,688.43 | 5,796.39 | 107.96 |
| 1,280.05 | 4,219.14 | 1,454.64 | 1,988.52 | 20,151.77 | 22,642.24 | 2,490.47 |
| 5,668.34 | 29,711.41 | 7,327.94 | 14,504.63 | 110,129.83 | 125,102.11 | 14,972.28 |
| 1,122.53 | 2,099.45 | 880.70 | 967.35 | 12,425.21 | 15,493.12 | 3,067.91 |
| 1,218.21 | 2,529.00 | 991.34 | 1,185.99 | 13,698.31 | 18,996.93 | 5,298.62 |
| 188.64 | 498.67 | 168.79 | 235.45 | 2,601.61 | 3,240.00 | 638.39 |
| 1,976.67 | 6,662.73 | 1,983.87 | 3,196.41 | 27,924.20 | 36,757.72 | 8,833.52 |
| 8,729.27 | 27,893.30 | 9,878.12 | 12,981.66 | 132,211.02 | 159,949.75 | 27,738.73 |
| 157.21 | 338.43 | 154.88 | 152.42 | 2,115.42 | 2,440.12 | 324.70 |
| 285.75 | 536.58 | 223.58 | 244.21 | 3,162.49 | 3,409.92 | 247.43 |
| 464.19 | 1,801.92 | 565.02 | 854.13 | 8,057.99 | 9,119.70 | 1,061.71 |
| 771.96 | 2,807.20 | 917.68 | 1,320.40 | 12,502.12 | 14,642.58 | 2,140.46 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount billed by the Commission against or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | Share of capital cost of system | Average horse-power supplied in year after correction for power factor | Share of operating | | |
|------------------------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|-------------------------|----------------------------------------------------|---------------|
| | To October 31, 1946 | | | Cost of power purchased | Operating maintenance and administrative expenses* | Interest |
| | \$ c | \$ c. | | \$ c. | \$ c. | \$ c. |
| Waterloo..... | 23.00 | 1,032,027.24 | 7,183.7 | 41,860.92 | 27,048.31 | 42,244.18 |
| Watford..... | 35.50 | 90,837.85 | 456.0 | 2,657.21 | 3,215.22 | 3,695.63 |
| Waubashene..... | 30.00 | 24,974.02 | 166.2 | 968.48 | 792.15 | 1,009.37 |
| Welland..... | 19.50 | 1,498,993.87 | 11,970.6 | 69,755.18 | 38,044.22 | 61,562.27 |
| Wellesley..... | 32.00 | 31,524.16 | 161.3 | 939.93 | 1,009.38 | 1,287.60 |
| Wellington..... | 31.00 | 58,401.11 | 345.2 | 2,011.55 | 1,754.51 | 2,368.14 |
| West Lorne..... | 35.50 | 74,751.45 | 383.4 | 2,234.15 | 2,989.17 | 2,911.37 |
| Weston..... | 22.50 | 796,337.47 | 5,634.9 | 32,835.74 | 20,116.78 | 32,276.83 |
| Westport..... | 39.00 | 40,838.65 | 142.8 | 832.13 | 1,182.39 | 1,678.75 |
| Wheatley..... | 39.00 | 71,711.89 | 265.9 | 1,549.45 | 2,285.46 | 2,861.57 |
| Whitby..... | 25.50 | 271,027.97 | 1,863.1 | 10,856.68 | 8,569.62 | 11,046.02 |
| Warton..... | 29.00 | 110,630.91 | 479.7 | 2,795.31 | 3,189.34 | 4,490.55 |
| Williamsburg..... | 28.50 | 20,065.98 | 134.8 | 785.51 | 747.45 | 814.99 |
| Winchester..... | 28.50 | 79,937.49 | 491.7 | 2,865.24 | 2,561.62 | 3,254.55 |
| Windermere..... | 39.00 | 16,233.79 | 62.6 | 364.78 | 815.37 | 665.39 |
| Windsor..... | 25.00 | 9,234,087.18 | 53,300.8 | 310,594.86 | 240,423.73 | 369,695.47 |
| Wingham..... | 37.50 | 195,548.56 | 993.2 | 5,787.59 | 5,656.04 | 7,880.47 |
| Woodbridge..... | 27.50 | 146,534.48 | 899.6 | 5,242.16 | 4,075.26 | 5,938.46 |
| Woodstock..... | 24.50 | 1,362,814.48 | 9,410.3 | 54,835.78 | 39,150.69 | 55,581.80 |
| Woodville..... | 39.00 | 22,505.61 | 106.3 | 619.43 | 890.40 | 915.74 |
| Wyoming..... | 39.00 | 27,590.93 | 128.0 | 745.88 | 960.41 | 1,122.07 |
| York Twp..... | 23.00 | 3,419,667.10 | 24,942.2 | 145,343.39 | 87,970.71 | 138,159.25 |
| Zurich..... | 39.00 | 40,927.52 | 167.8 | 977.81 | 1,462.00 | 1,674.84 |
| Ontario Reformatory..... | | 49,764.57 | 329.4 | 1,919.48 | 1,576.74 | 2,022.22 |
| Toronto Transportation Comm..... | | 87,496.05 | 629.1 | 3,665.90 | 2,464.95 | 3,439.51 |
| Totals—Municipalities..... | | 182,327,140.56 | 1,291,296.3 | 7,627,203.71 | 4,912,537.54 | 7,431,060.29 |
| Totals—Rural power district..... | | 23,270,815.69 | 135,698.2 | 813,453.32 | 659,428.45 | 943,475.07 |
| Totals—Companies..... | | 61,823,418.86 | 477,897.4 | 2,784,807.57 | 1,957,673.43 | 2,516,337.35 |
| Totals—Local distribution sys..... | | 635,805.07 | 2,087.3 | 12,163.15 | 34,426.46 | 25,478.47 |
| Non-operating capital..... | | 268,057,180.18 9,646,234.57 | | | | |
| Grand Totals..... | | 277,703,414.75 | 1,906,979.2 | 11,237,627.75 | 7,564,065.88 | 10,916,351.18 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|-------------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Acton..... | Jan. 1913 | 5,329.80 | |
| Agincourt..... | Nov. 1922 | 722.89 | |
| Ailsa Craig..... | Jan. 1916 | 718.24 | |
| Alexandria..... | Jan. 1921 | 612.37 | |
| Alliston..... | June 1918 | 3,195.17 | |
| Almonte..... | Feb. 1945 | | 375.82 |
| Alvinston..... | April 1922 | 133.82 | |
| Amherstburg..... | Nov. 1925 | 5,385.92 | |
| Ancaster Township..... | May 1923 | 1,418.29 | |
| Apple Hill..... | April 1921 | 189.56 | |
| Arkona..... | Dec. 1926 | 64.49 | |
| Arnprior..... | Jan. 1939 | 4,250.96 | |
| Arthur..... | Dec. 1916 | 181.52 | |
| Athens..... | Jan. 1929 | 471.60 | |
| Aurora..... | April 1943 | 5,004.29 | |
| Aylmer..... | Mar. 1918 | 3,300.85 | |
| Ayr..... | Jan. 1915 | 945.96 | |
| Baden..... | May 1912 | 1,812.09 | |
| Barrie..... | April 1913 | 22,274.35 | |
| Bath..... | Nov. 1931 | 49.54 | |
| Beachville..... | Aug. 1912 | 2,401.92 | |
| Beamsville..... | May 1937 | 1,609.74 | |
| Beaverton..... | Nov. 1914 | 2,227.73 | |
| Beeton..... | Aug. 1918 | 93.85 | |
| Belle River..... | Dec. 1922 | 365.05 | |
| Belleville..... | April 1929 | 22,676.93 | |
| Blenheim..... | Nov. 1915 | 2,579.15 | |
| Bloomfield..... | April 1919 | 763.03 | |
| Blyth..... | July 1924 | 740.05 | |
| Bobcaygeon..... | July 1946 | | |
| Bolton..... | Feb. 1915 | 626.36 | |
| Bothwell..... | Sept. 1915 | 234.75 | |
| Bowmanville..... | Oct. 1931 | 4,927.08 | |
| Bradford..... | Oct. 1918 | 1,775.70 | |
| Braeside..... | Jan. 1945 | 545.43 | |
| Brampton..... | Nov. 1911 | 6,696.96 | |
| Brantford..... | Feb. 1914 | 20,874.90 | |
| Brantford Township..... | May 1924 | 2,849.92 | |
| Brechin..... | Jan. 1915 | 374.25 | |
| Bridgeport..... | Mar. 1928 | 476.04 | |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 5,329.80 | 8,225.44 | ..... | 8,225.44 | ..... |
| ..... | 722.89 | 1,090.24 | ..... | 1,090.24 | ..... |
| ..... | 718.24 | 1,344.13 | ..... | 1,344.13 | ..... |
| ..... | 612.37 | 3,462.53 | ..... | 3,462.53 | ..... |
| ..... | 3,195.17 | 6,111.16 | ..... | 6,111.16 | ..... |
| 375.82 | ..... | 1,470.27 | ..... | 1,470.27 | ..... |
| ..... | 133.82 | 1,018.21 | ..... | 1,018.21 | ..... |
| ..... | 5,385.92 | 6,774.10 | ..... | 6,774.10 | ..... |
| ..... | 1,418.29 | 683.97 | ..... | 683.97 | ..... |
| ..... | 189.56 | 559.21 | ..... | 559.21 | ..... |
| ..... | 64.49 | ..... | ..... | ..... | ..... |
| ..... | 4,250.96 | 5,522.37 | ..... | 5,522.37 | ..... |
| ..... | 181.52 | ..... | ..... | ..... | ..... |
| ..... | 471.60 | 945.43 | ..... | 945.43 | ..... |
| ..... | 5,004.29 | 8,355.46 | ..... | 8,355.46 | ..... |
| ..... | 3,300.85 | 5,321.43 | ..... | 5,321.43 | ..... |
| ..... | 945.96 | 1,780.63 | ..... | 1,780.63 | ..... |
| ..... | 1,812.09 | 1,965.38 | ..... | 1,965.38 | ..... |
| ..... | 22,274.35 | 35,478.89 | ..... | 35,478.89 | ..... |
| ..... | 49.54 | ..... | ..... | ..... | ..... |
| ..... | 2,401.92 | 2,870.21 | ..... | 2,870.21 | ..... |
| ..... | 1,609.74 | 2,666.19 | ..... | 2,666.19 | ..... |
| ..... | 2,227.73 | 3,352.98 | ..... | 3,352.98 | ..... |
| ..... | 93.85 | 246.00 | ..... | 246.00 | ..... |
| ..... | 365.05 | 1,032.23 | ..... | 1,032.23 | ..... |
| ..... | 22,676.93 | 27,188.78 | ..... | 27,188.78 | ..... |
| ..... | 2,579.15 | 3,485.27 | ..... | 3,485.27 | ..... |
| ..... | 763.03 | 1,416.87 | ..... | 1,416.87 | ..... |
| ..... | 740.05 | 1,249.34 | ..... | 1,249.34 | ..... |
| ..... | ..... | 423.18 | ..... | 423.18 | ..... |
| ..... | 626.36 | 1,469.39 | ..... | 1,469.39 | ..... |
| ..... | 234.75 | 866.09 | ..... | 866.09 | ..... |
| ..... | 4,927.08 | 8,290.85 | ..... | 8,290.85 | ..... |
| ..... | 1,775.70 | 3,761.32 | ..... | 3,761.32 | ..... |
| ..... | 545.43 | 775.14 | ..... | 775.14 | ..... |
| ..... | 6,696.96 | 14,564.15 | ..... | 14,564.15 | ..... |
| ..... | 20,874.90 | 38,055.35 | ..... | 38,055.35 | ..... |
| ..... | 2,849.92 | 8,779.80 | ..... | 8,779.80 | ..... |
| ..... | 374.25 | 454.67 | ..... | 454.67 | ..... |
| ..... | 476.04 | 1,223.10 | ..... | 1,223.10 | ..... |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|---------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Brigden..... | Jan. 1918 | 297.27 | |
| Brighton..... | Nov. 1929 | 1,817.61 | |
| Brockville..... | April 1915 | 13,596.89 | |
| Brussels..... | July 1924 | 761.62 | |
| Burford..... | June 1915 | 882.65 | |
| Burgessville..... | Nov. 1916 | 63.58 | |
| Burlington..... | Jan. 1945 | 1,963.22 | |
| Caledonia..... | Oct. 1912 | 977.52 | |
| Campbellville..... | Jan. 1925 | 44.53 | |
| Cannington..... | Nov. 1914 | 1,332.69 | |
| Cardinal..... | July 1930 | 1,329.88 | |
| Carleton Place..... | May 1919 | 7,895.69 | |
| Cayuga..... | Nov. 1924 | 574.93 | |
| Chatham..... | Feb. 1915 | 19,605.88 | |
| Chatsworth..... | Dec. 1915 | 640.80 | |
| Chesley..... | July 1916 | 3,588.34 | |
| Chesterville..... | April 1914 | 954.09 | |
| Chippawa..... | Sept. 1919 | 975.35 | |
| Clifford..... | May 1924 | 101.93 | |
| Clinton..... | Mar. 1914 | 2,434.13 | |
| Cobden..... | Nov. 1925 | 942.86 | |
| Cobourg..... | Jan. 1932 | 7,345.09 | |
| Colborne..... | Jan. 1933 | 1,090.28 | |
| Coldwater..... | Mar. 1913 | 1,492.13 | |
| Collingwood..... | Mar. 1913 | 14,836.02 | |
| Comber..... | May 1915 | 945.67 | |
| Cookstown..... | May 1918 | 652.27 | |
| Cottam..... | Nov. 1926 | 528.13 | |
| Courtright..... | Dec. 1923 | 50.68 | |
| Creemore..... | Nov. 1914 | 1,281.18 | |
| Dashwood..... | Sept. 1917 | 479.16 | |
| Delaware..... | Mar. 1915 | 268.90 | |
| Delhi..... | May 1938 | 2,489.98 | |
| Deseronto..... | Jan. 1931 | 1,556.12 | |
| Dorchester..... | Dec. 1914 | 696.59 | |
| Drayton..... | Mar. 1918 | 153.43 | |
| Dresden..... | April 1915 | 2,259.81 | |
| Drumbo..... | Dec. 1914 | 299.12 | |
| Dublin..... | Oct. 1917 | 249.79 | |
| Dundalk..... | Dec. 1915 | 1,206.42 | |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| | 297.27 | 861.65 | | 861.65 | |
| | 1,817.61 | 3,006.63 | | 3,006.63 | |
| | 13,596.89 | 19,216.07 | | 19,216.07 | |
| | 761.62 | 2,030.87 | | 2,030.87 | |
| | 882.65 | 1,383.27 | | 1,383.27 | |
| | | | | | |
| | 63.58 | 697.91 | | 697.91 | |
| | 1,963.22 | 4,233.99 | | 4,233.99 | |
| | 977.52 | 1,734.23 | | 1,734.23 | |
| | 44.53 | 178.89 | | 178.89 | |
| | 1,332.69 | 2,668.08 | | 2,668.08 | |
| | | | | | |
| | 1,329.88 | 2,045.14 | | 2,045.14 | |
| | 7,895.69 | 10,191.77 | | 10,191.77 | |
| | 574.93 | 2,011.71 | | 2,011.71 | |
| | 19,605.88 | 21,560.38 | | 21,560.38 | |
| | 640.80 | 1,260.73 | | 1,260.73 | |
| | | | | | |
| | 3,588.34 | 5,850.09 | | 5,850.09 | |
| | 954.09 | 1,819.53 | | 1,819.53 | |
| | 975.35 | 1,209.39 | | 1,209.39 | |
| | 101.93 | 64.62 | | 64.62 | |
| | 2,434.13 | 4,382.36 | | 4,382.36 | |
| | | | | | |
| | 942.86 | 943.95 | | 943.95 | |
| | 7,345.09 | 10,217.62 | | 10,217.62 | |
| | 1,090.28 | 1,581.59 | | 1,581.59 | |
| | 1,492.13 | 1,816.76 | | 1,816.76 | |
| | 14,836.02 | 15,853.04 | | 15,853.04 | |
| | | | | | |
| | 945.67 | 1,316.47 | | 1,316.47 | |
| | 652.27 | 1,187.03 | | 1,187.03 | |
| | 528.13 | 953.64 | | 953.64 | |
| | 50.68 | 270.03 | | 270.03 | |
| | 1,281.18 | 2,352.43 | | 2,352.43 | |
| | | | | | |
| | 479.16 | 786.68 | | 786.68 | |
| | 268.90 | 437.61 | | 437.61 | |
| | 2,489.98 | 4,481.38 | | 4,481.38 | |
| | 1,556.12 | 2,624.83 | | 2,624.83 | |
| | 696.59 | 1,054.50 | | 1,054.50 | |
| | | | | | |
| | 153.43 | | | 2,774.74 | |
| | 2,259.81 | 2,774.74 | | 616.35 | |
| | 299.12 | 616.35 | | 581.07 | |
| | 249.79 | 581.07 | | 2,062.79 | |
| | 1,206.42 | 2,062.79 | | | |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|-------------------------|--------------------------------|---------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Dundas..... | Jan. 1911 | 5,206.60 | ..... |
| Dunnville..... | June 1918 | 2,558.49 | ..... |
| Durham..... | Dec. 1915 | 2,350.28 | ..... |
| Dutton..... | Sept. 1915 | 1,096.10 | ..... |
| East York Township..... | July 1925 | 30,172.45 | ..... |
| Elmira..... | Nov. 1913 | 6,422.81 | ..... |
| Elmvale..... | June 1913 | 862.96 | ..... |
| Elmwood..... | April 1918 | 104.72 | ..... |
| Elora..... | Nov. 1914 | 1,468.81 | ..... |
| Embro..... | Jan. 1915 | 394.56 | ..... |
| Erieau..... | July 1924 | 952.38 | ..... |
| Erie Beach..... | July 1925 | 10.15 | ..... |
| Essex..... | Nov. 1923 | 2,475.04 | ..... |
| Etobicoke Township..... | Aug. 1917 | 15,928.74 | ..... |
| Exeter..... | June 1916 | 2,472.85 | ..... |
| Fergus..... | Nov. 1914 | 2,967.01 | ..... |
| Finch..... | Feb. 1928 | 643.53 | ..... |
| Flesherton..... | Dec. 1915 | 596.28 | ..... |
| Fonthill..... | June 1926 | 870.35 | ..... |
| Forest..... | Mar. 1917 | 4,397.91 | ..... |
| Forest Hill..... | Jan. 1938 | 12,060.39 | ..... |
| Galt..... | May 1911 | 7,342.41 | ..... |
| Georgetown..... | Sept. 1913 | 7,167.26 | ..... |
| Glencoe..... | Aug. 1920 | 409.15 | ..... |
| Goderich..... | Feb. 1914 | 6,105.75 | ..... |
| Grand Valley..... | Dec. 1916 | 875.10 | ..... |
| Granton..... | July 1916 | 381.98 | ..... |
| Gravenhurst..... | Nov. 1915 | 4,064.76 | ..... |
| Grimsby..... | Jan. 1942 | 1,902.25 | ..... |
| Guelph..... | Dec. 1910 | 13,683.94 | ..... |
| Hagersville..... | Sept. 1913 | 2,017.01 | ..... |
| Hamilton..... | Feb. 1911 | 55,430.60 | ..... |
| Hanover..... | Sept. 1916 | 7,634.36 | ..... |
| Harriston..... | July 1916 | 1,240.98 | ..... |
| Harrow..... | Nov. 1923 | 3,225.43 | ..... |
| Hastings..... | June 1931 | 648.97 | ..... |
| Havelock..... | Feb. 1921 | 404.58 | ..... |
| Hensall..... | Jan. 1917 | 531.10 | ..... |
| Hespeler..... | Feb. 1911 | 5,790.42 | ..... |
| Highgate..... | Dec. 1916 | 435.86 | ..... |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 5,206.60 | 7,410.21 | ..... | 7,410.21 | ..... |
| ..... | 2,558.49 | 4,750.13 | ..... | 4,750.13 | ..... |
| ..... | 2,350.28 | 3,395.93 | ..... | 3,395.93 | ..... |
| ..... | 1,096.10 | 1,716.11 | ..... | 1,716.11 | ..... |
| ..... | 30,172.45 | 42,242.57 | ..... | 42,242.57 | ..... |
| ..... | 6,422.81 | 10,417.63 | ..... | 10,417.63 | ..... |
| ..... | 862.96 | 1,006.71 | ..... | 1,006.71 | ..... |
| ..... | 104.72 | 930.48 | ..... | 930.48 | ..... |
| ..... | 1,468.81 | 2,088.16 | ..... | 2,088.16 | ..... |
| ..... | 394.56 | 872.13 | ..... | 872.13 | ..... |
| ..... | 952.38 | 1,359.00 | ..... | 1,359.00 | ..... |
| ..... | 10.15 | 1.85 | ..... | 1.85 | ..... |
| ..... | 2,475.04 | 3,481.39 | ..... | 3,481.39 | ..... |
| ..... | 15,928.74 | 35,014.23 | ..... | 35,014.23 | ..... |
| ..... | 2,472.85 | 4,681.02 | ..... | 4,681.02 | ..... |
| ..... | 2,967.01 | 6,036.30 | ..... | 6,036.30 | ..... |
| ..... | 643.53 | 1,378.83 | ..... | 1,378.83 | ..... |
| ..... | 596.28 | 1,187.82 | ..... | 1,187.82 | ..... |
| ..... | 870.35 | 1,386.18 | ..... | 1,386.18 | ..... |
| ..... | 4,397.91 | 6,562.45 | ..... | 6,562.45 | ..... |
| ..... | 12,060.39 | 16,681.87 | ..... | 16,681.87 | ..... |
| ..... | 7,342.41 | 18,402.43 | ..... | 18,402.43 | ..... |
| ..... | 7,167.26 | 10,598.77 | ..... | 10,598.77 | ..... |
| ..... | 409.15 | 1,021.43 | ..... | 1,021.43 | ..... |
| ..... | 6,105.75 | 10,844.64 | ..... | 10,844.64 | ..... |
| ..... | 875.10 | 1,539.63 | ..... | 1,539.63 | ..... |
| ..... | 381.98 | 614.30 | ..... | 614.30 | ..... |
| ..... | 4,064.76 | 7,051.78 | ..... | 7,051.78 | ..... |
| ..... | 1,902.25 | 4,166.70 | ..... | 4,166.70 | ..... |
| ..... | 13,683.94 | 25,481.62 | ..... | 25,481.62 | ..... |
| ..... | 2,017.01 | 4,250.58 | ..... | 4,250.58 | ..... |
| ..... | 55,430.60 | 115,613.24 | ..... | 115,613.24 | ..... |
| ..... | 7,634.36 | 10,629.62 | ..... | 10,629.62 | ..... |
| ..... | 1,240.98 | 3,105.59 | ..... | 3,105.59 | ..... |
| ..... | 3,225.43 | 4,179.29 | ..... | 4,179.29 | ..... |
| ..... | 648.97 | 1,849.35 | ..... | 1,849.35 | ..... |
| ..... | 404.58 | 2,004.00 | ..... | 2,004.00 | ..... |
| ..... | 531.10 | 2,005.28 | ..... | 2,005.28 | ..... |
| ..... | 5,790.42 | 9,207.04 | ..... | 9,207.04 | ..... |
| ..... | 435.86 | 765.84 | ..... | 765.84 | ..... |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|----------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Holstein..... | May 1916 | 24.61 | |
| Humberstone..... | Oct. 1924 | 820.82 | |
| Huntsville..... | Sept. 1916 | 3,264.16 | |
| Ingersoll..... | May 1911 | 6,893.27 | |
| Iroquois..... | Feb. 1940 | 1,171.77 | |
| Jarvis..... | Feb. 1924 | 103.87 | |
| Kemptville..... | Dec. 1921 | 124.02 | |
| Kincardine..... | Mar. 1921 | 5,219.72 | |
| Kingston..... | Nov. 1937 | 44,192.22 | |
| Kingsville..... | Nov. 1923 | 3,392.05 | |
| Kirkfield..... | June 1920 | 24.55 | |
| Kitchener..... | Jan. 1911 | 33,743.98 | |
| Lakefield..... | Aug. 1920 | 589.41 | |
| Lambeth..... | April 1915 | 437.53 | |
| Lanark..... | Sept. 1921 | 21.46 | |
| Lancaster..... | May 1921 | 65.21 | |
| LaSalle..... | Nov. 1925 | 1,411.72 | |
| Leamington..... | Nov. 1923 | 8,464.26 | |
| Lindsay..... | Mar. 1928 | 9,026.15 | |
| Listowel..... | June 1916 | 4,546.22 | |
| London..... | Jan. 1911 | 39,236.56 | |
| London Township..... | Jan. 1925 | 1,515.12 | |
| Long Branch..... | Jan. 1931 | 3,480.49 | |
| Lucan..... | Feb. 1915 | 884.12 | |
| Lucknow..... | Jan. 1921 | 2,360.79 | |
| Lynden..... | Nov. 1915 | 617.37 | |
| Madoc..... | Jan. 1930 | 1,222.78 | |
| Markdale..... | Mar. 1916 | 1,143.30 | |
| Markham..... | April 1920 | 1,317.18 | |
| Marmora..... | Jan. 1921 | 689.07 | |
| Martintown..... | May 1921 | 328.29 | |
| Maxville..... | Feb. 1921 | 285.22 | |
| Meaford..... | Jan. 1924 | 4,891.95 | |
| Merlin..... | Dec. 1922 | 396.13 | |
| Merriton..... | Nov. 1920 | 9,791.55 | |
| Midland..... | July 1911 | 22,613.10 | |
| Mildmay..... | Dec. 1932 | 884.30 | |
| Millbrook..... | Dec. 1938 | 313.33 | |
| Milton..... | April 1913 | 6,094.48 | |
| Milverton..... | June 1916 | 1,084.18 | |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year • | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------|-----------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 24.61 | ..... | ..... | ..... | ..... |
| ..... | 820.82 | ..... | 1,378.94 | ..... | 1,378.94 |
| ..... | 3,264.16 | ..... | 6,225.07 | ..... | 6,225.07 |
| ..... | 6,893.27 | ..... | 10,753.03 | ..... | 10,753.03 |
| ..... | 1,171.77 | ..... | 1,505.55 | ..... | 1,505.55 |
| | | | | | |
| ..... | 103.87 | ..... | 895.15 | ..... | 895.15 |
| ..... | 124.02 | ..... | 1,917.07 | ..... | 1,917.07 |
| ..... | 5,219.72 | ..... | 7,992.66 | ..... | 7,992.66 |
| ..... | 44,192.22 | ..... | 54,484.23 | ..... | 54,484.23 |
| ..... | 3,392.05 | ..... | 4,395.40 | ..... | 4,395.40 |
| | | | | | |
| ..... | 24.55 | ..... | ..... | ..... | ..... |
| ..... | 33,743.98 | ..... | 56,175.30 | ..... | 56,175.30 |
| ..... | 589.41 | ..... | 1,268.52 | ..... | 1,268.52 |
| ..... | 437.53 | ..... | 1,088.77 | ..... | 1,088.77 |
| ..... | 21.46 | ..... | 128.75 | ..... | 128.75 |
| | | | | | |
| ..... | 65.21 | ..... | 224.50 | ..... | 224.50 |
| ..... | 1,411.72 | ..... | 1,330.11 | ..... | 1,330.11 |
| ..... | 8,464.26 | ..... | 11,756.49 | ..... | 11,756.49 |
| ..... | 9,026.15 | ..... | 7,502.80 | ..... | 7,502.80 |
| ..... | 4,546.22 | ..... | 7,382.80 | ..... | 7,382.80 |
| | | | | | |
| ..... | 39,236.56 | ..... | 83,622.45 | ..... | 83,622.45 |
| ..... | 1,515.12 | ..... | 2,376.57 | ..... | 2,376.57 |
| ..... | 3,480.49 | ..... | 5,711.32 | ..... | 5,711.32 |
| ..... | 884.12 | ..... | 1,597.17 | ..... | 1,597.17 |
| ..... | 2,360.79 | ..... | 5,122.24 | ..... | 5,122.24 |
| | | | | | |
| ..... | 617.37 | ..... | 781.60 | ..... | 781.60 |
| ..... | 1,222.78 | ..... | 2,962.29 | ..... | 2,962.29 |
| ..... | 1,143.30 | ..... | 1,765.99 | ..... | 1,765.99 |
| ..... | 1,317.18 | ..... | 2,157.59 | ..... | 2,157.59 |
| ..... | 689.07 | ..... | 781.34 | ..... | 781.34 |
| | | | | | |
| ..... | 328.29 | ..... | 574.90 | ..... | 574.90 |
| ..... | 285.22 | ..... | 1,374.75 | ..... | 1,374.75 |
| ..... | 4,891.95 | ..... | 6,996.25 | ..... | 6,996.25 |
| ..... | 396.13 | ..... | 662.60 | ..... | 662.60 |
| ..... | 9,791.55 | ..... | 14,283.65 | ..... | 14,283.65 |
| | | | | | |
| ..... | 22,613.10 | ..... | 24,143.54 | ..... | 24,143.54 |
| ..... | 884.30 | ..... | 1,790.33 | ..... | 1,790.33 |
| ..... | 313.33 | ..... | 585.45 | ..... | 585.45 |
| ..... | 6,094.48 | ..... | 8,955.88 | ..... | 8,955.88 |
| ..... | 1,084.18 | ..... | 2,110.41 | ..... | 2,110.41 |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|--------------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Mimico..... | May 1912 | 4,833.56 | ..... |
| Mitchell..... | Sept. 1911 | 2,239.80 | ..... |
| Moorefield..... | Mar. 1918 | 54.76 | ..... |
| Morrisburg..... | June 1938 | 1,505.21 | ..... |
| Mount Brydges..... | Mar. 1915 | 335.88 | ..... |
| Mount Forest..... | Dec. 1915 | 3,975.27 | ..... |
| Napanee..... | Nov. 1929 | 4,608.32 | ..... |
| Neustadt..... | Dec. 1918 | 307.01 | ..... |
| Newbury..... | Mar. 1921 | 22.25 | ..... |
| Newcastle..... | Jan. 1937 | 540.16 | ..... |
| New Hamburg..... | Mar. 1911 | 1,959.85 | ..... |
| Newmarket..... | April 1945 | 3,774.27 | ..... |
| New Toronto..... | Feb. 1914 | 8,590.47 | ..... |
| Niagara Falls..... | Dec. 1915 | 10,664.81 | ..... |
| Niagara-on-the-Lake..... | Aug. 1919 | 2,275.57 | ..... |
| North York Township..... | Nov. 1923 | 23,178.59 | ..... |
| Norwich..... | May 1912 | 1,719.02 | ..... |
| Norwood..... | Feb. 1921 | 405.50 | ..... |
| Oil Springs..... | Feb. 1918 | 1,044.64 | ..... |
| Omeme..... | Jan. 1940 | 888.45 | ..... |
| Orangeville..... | July 1916 | 6,722.42 | ..... |
| Orono..... | Nov. 1938 | 570.82 | ..... |
| Oshawa..... | Feb. 1929 | 50,942.55 | ..... |
| Ottawa..... | Jan. 1914 | 54,763.89 | ..... |
| Otterville..... | Feb. 1916 | 311.80 | ..... |
| Owen Sound..... | Dec. 1915 | 32,343.55 | ..... |
| Paisley..... | Sept. 1923 | 869.90 | ..... |
| Palmerston..... | July 1916 | 1,874.68 | ..... |
| Paris..... | Feb. 1914 | 1,995.76 | ..... |
| Parkhill..... | May 1920 | 875.66 | ..... |
| Penetanguishene..... | July 1911 | 5,962.45 | ..... |
| Perth..... | Feb. 1919 | 5,228.47 | ..... |
| Peterborough..... | Mar. 1913 | 35,268.48 | ..... |
| Petrolia..... | May 1916 | 5,534.07 | ..... |
| Pictou..... | April 1919 | 6,028.91 | ..... |
| Plattsville..... | Dec. 1914 | 631.01 | ..... |
| Point Edward..... | Nov. 1916 | 7,624.36 | ..... |
| Port Colborne..... | Mar. 1920 | 2,751.75 | ..... |
| Port Credit..... | Aug. 1912 | 2,751.37 | ..... |
| Port Dalhousie..... | Nov. 1912 | 2,608.89 | ..... |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 4,833.56 | 8,938.98 | ..... | 8,938.98 | ..... |
| ..... | 2,239.80 | 3,719.93 | ..... | 3,719.93 | ..... |
| ..... | 54.76 | 108.25 | ..... | 108.25 | ..... |
| ..... | 1,505.21 | 2,424.92 | ..... | 2,424.92 | ..... |
| ..... | 335.88 | 772.38 | ..... | 772.38 | ..... |
| ..... | 3,975.27 | 6,504.93 | ..... | 6,504.93 | ..... |
| ..... | 4,608.32 | 5,135.88 | ..... | 5,135.88 | ..... |
| ..... | 307.01 | 343.86 | ..... | 343.86 | ..... |
| ..... | 22.25 | 320.16 | ..... | 320.16 | ..... |
| ..... | 540.16 | 1,645.99 | ..... | 1,645.99 | ..... |
| ..... | 1,959.85 | 2,816.20 | ..... | 2,816.20 | ..... |
| ..... | 3,774.27 | 10,514.89 | ..... | 10,514.89 | ..... |
| ..... | 8,590.47 | 16,578.80 | ..... | 16,578.80 | ..... |
| ..... | 10,664.81 | 17,055.25 | ..... | 17,055.25 | ..... |
| ..... | 2,275.57 | 3,814.09 | ..... | 3,814.09 | ..... |
| ..... | 23,178.59 | 34,572.00 | ..... | 34,572.00 | ..... |
| ..... | 1,719.02 | 2,695.03 | ..... | 2,695.03 | ..... |
| ..... | 405.50 | 2,027.06 | ..... | 2,027.06 | ..... |
| ..... | 1,044.64 | 1,490.29 | ..... | 1,490.29 | ..... |
| ..... | 888.45 | 1,479.08 | ..... | 1,479.08 | ..... |
| ..... | 6,722.42 | 11,378.25 | ..... | 11,378.25 | ..... |
| ..... | 570.82 | 1,223.93 | ..... | 1,223.93 | ..... |
| ..... | 50,942.55 | 67,330.62 | ..... | 67,330.62 | ..... |
| ..... | 54,763.89 | 76,487.94 | ..... | 76,487.94 | ..... |
| ..... | 311.80 | 787.42 | ..... | 787.42 | ..... |
| ..... | 32,343.55 | 42,007.93 | ..... | 42,007.93 | ..... |
| ..... | 869.90 | 1,981.10 | ..... | 1,981.10 | ..... |
| ..... | 1,874.68 | 3,581.94 | ..... | 3,581.94 | ..... |
| ..... | 1,995.76 | 3,818.82 | ..... | 3,818.82 | ..... |
| ..... | 875.66 | 2,174.88 | ..... | 2,174.88 | ..... |
| ..... | 5,962.45 | 8,607.56 | ..... | 8,607.56 | ..... |
| ..... | 5,228.47 | 6,879.08 | ..... | 6,879.08 | ..... |
| ..... | 35,268.48 | 44,825.65 | ..... | 44,825.65 | ..... |
| ..... | 5,534.07 | 8,605.28 | ..... | 8,605.28 | ..... |
| ..... | 6,028.91 | 11,612.86 | ..... | 11,612.86 | ..... |
| ..... | 631.01 | 1,091.57 | ..... | 1,091.57 | ..... |
| ..... | 7,624.36 | 9,281.82 | ..... | 9,281.82 | ..... |
| ..... | 2,751.75 | 5,247.67 | ..... | 5,247.67 | ..... |
| ..... | 2,751.37 | 4,245.68 | ..... | 4,245.68 | ..... |
| ..... | 2,608.89 | 3,682.30 | ..... | 3,682.30 | ..... |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|---------------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Port Dover..... | Dec. 1921 | 1,428.89 | ..... |
| Port Elgin..... | Mar. 1931 | 3,183.68 | ..... |
| Port Hope..... | Nov. 1929 | 5,996.50 | ..... |
| Port McNicoll..... | Jan. 1915 | 774.69 | ..... |
| Port Perry..... | Sept. 1922 | 2,932.08 | ..... |
| Port Rowan..... | Nov. 1926 | 27.00 | ..... |
| Port Stanley..... | April 1912 | 2,809.48 | ..... |
| Prescott..... | Dec. 1913 | 4,845.71 | ..... |
| Preston..... | Jan. 1911 | 5,483.33 | ..... |
| Priceville..... | Mar. 1920 | 61.02 | ..... |
| Princeton..... | Jan. 1915 | 556.14 | ..... |
| Queenston..... | Mar. 1921 | 252.69 | ..... |
| Renfrew..... | Dec. 1944 | 407.58 | ..... |
| Richmond..... | Aug. 1928 | 383.61 | ..... |
| Richmond Hill..... | June 1925 | 301.02 | ..... |
| Ridgetown..... | Dec. 1915 | 2,348.89 | ..... |
| Ripley..... | Jan. 1921 | 107.57 | ..... |
| Riverside..... | Nov. 1922 | 5,679.52 | ..... |
| Rockwood..... | Sept. 1913 | 287.66 | ..... |
| Rodney..... | Feb. 1917 | 304.77 | ..... |
| Rosseau..... | July 1931 | 27.70 | ..... |
| Russell..... | Feb. 1926 | 320.42 | ..... |
| St. Catharines..... | April 1914 | 11,361.00 | ..... |
| St. Clair Beach..... | Nov. 1922 | 563.62 | ..... |
| St. George..... | Sept. 1915 | 1,044.53 | ..... |
| St. Jacobs..... | Sept. 1917 | 1,507.10 | ..... |
| St. Marys..... | May 1911 | 5,322.17 | ..... |
| St. Thomas..... | April 1911 | 6,226.28 | ..... |
| Sarnia..... | Dec. 1916 | 19,337.19 | ..... |
| Scarborough Township..... | Aug. 1918 | 11,662.70 | ..... |
| Seaforth..... | Nov. 1911 | 3,599.25 | ..... |
| Shelburne..... | July 1916 | 2,004.04 | ..... |
| Simcoe..... | Aug. 1915 | 5,520.14 | ..... |
| Smiths Falls..... | Sept. 1918 | 9,189.55 | ..... |
| Smithville..... | Nov. 1940 | 691.23 | ..... |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 1,428.89 | 2,768.42 | ..... | 2,768.42 | ..... |
| ..... | 3,183.68 | 3,494.36 | ..... | 3,494.36 | ..... |
| ..... | 5,996.50 | 9,626.54 | ..... | 9,626.54 | ..... |
| ..... | 774.69 | 1,206.97 | ..... | 1,206.97 | ..... |
| ..... | 2,932.08 | 4,406.28 | ..... | 4,406.28 | ..... |
| ..... | 27.00 | 392.81 | ..... | 392.81 | ..... |
| ..... | 2,809.48 | 4,584.87 | ..... | 4,584.87 | ..... |
| ..... | 4,845.71 | 5,266.21 | ..... | 5,266.21 | ..... |
| ..... | 5,483.33 | 9,714.76 | ..... | 9,714.76 | ..... |
| ..... | 61.02 | ..... | ..... | ..... | ..... |
| ..... | 556.14 | 1,171.98 | ..... | 1,171.98 | ..... |
| ..... | 252.69 | 553.70 | ..... | 553.70 | ..... |
| ..... | 407.58 | 3,513.57 | ..... | 3,513.57 | ..... |
| ..... | 383.61 | 839.79 | ..... | 839.79 | ..... |
| ..... | 301.02 | 1,143.94 | ..... | 1,143.94 | ..... |
| ..... | 2,348.89 | 3,076.83 | ..... | 3,076.83 | ..... |
| ..... | 107.57 | 644.53 | ..... | 644.53 | ..... |
| ..... | 5,679.52 | 6,153.31 | ..... | 6,153.31 | ..... |
| ..... | 287.66 | 1,011.82 | ..... | 1,011.82 | ..... |
| ..... | 304.77 | 1,323.03 | ..... | 1,323.03 | ..... |
| ..... | 27.70 | ..... | ..... | ..... | ..... |
| ..... | 320.42 | 920.34 | ..... | 920.34 | ..... |
| ..... | 11,361.00 | 22,280.66 | ..... | 22,280.66 | ..... |
| ..... | 563.62 | 715.26 | ..... | 715.26 | ..... |
| ..... | 1,044.53 | 1,657.85 | ..... | 1,657.85 | ..... |
| ..... | 1,507.10 | 1,839.64 | ..... | 1,839.64 | ..... |
| ..... | 5,322.17 | 10,666.10 | ..... | 10,666.10 | ..... |
| ..... | 6,226.28 | 15,884.38 | ..... | 15,884.38 | ..... |
| ..... | 19,337.19 | 32,703.58 | ..... | 32,703.58 | ..... |
| ..... | 11,662.70 | 20,398.05 | ..... | 20,398.05 | ..... |
| ..... | 3,599.25 | 5,718.52 | ..... | 5,718.52 | ..... |
| ..... | 2,004.04 | 3,516.38 | ..... | 3,516.38 | ..... |
| ..... | 5,520.14 | 8,655.55 | ..... | 8,655.55 | ..... |
| ..... | 9,189.55 | 12,927.51 | ..... | 12,927.51 | ..... |
| ..... | 691.23 | 1,451.83 | ..... | 1,451.83 | ..... |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|------------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Southampton..... | Feb. 1931 | 3,379.28 | ..... |
| Springfield..... | Aug. 1917 | 296.54 | ..... |
| Stamford Township..... | Nov. 1916 | 3,149.51 | ..... |
| Stayner..... | Oct. 1913 | 1,953.20 | ..... |
| Stirling..... | Jan. 1920 | 1,046.25 | ..... |
| Stouffville..... | Sept. 1923 | 1,354.17 | ..... |
| Stratford..... | Jan. 1911 | 11,322.44 | ..... |
| Strathroy..... | Dec. 1914 | 3,948.95 | ..... |
| Streetsville..... | Dec. 1934 | 746.30 | ..... |
| Sunderland..... | Nov. 1914 | 346.31 | ..... |
| Sutton..... | Aug. 1923 | 1,188.45 | ..... |
| Swansea..... | Oct. 1937 | 4,139.64 | ..... |
| Tara..... | Feb. 1918 | 743.53 | ..... |
| Tavistock..... | Nov. 1916 | 1,407.08 | ..... |
| Tecumseh..... | Nov. 1922 | 1,912.22 | ..... |
| Teeswater..... | Dec. 1920 | 1,107.44 | ..... |
| Thamesford..... | Feb. 1914 | 1,216.61 | ..... |
| Thamesville..... | Oct. 1915 | 967.41 | ..... |
| Thedford..... | May 1922 | 136.87 | ..... |
| Thornbury..... | Sept. 1944 | 592.03 | ..... |
| Thorndale..... | Mar. 1914 | 200.92 | ..... |
| Thornton..... | Nov. 1918 | 188.12 | ..... |
| Thorold..... | Jan. 1921 | 9,145.12 | ..... |
| Tilbury..... | April 1915 | 6,259.53 | ..... |
| Tillsonburg..... | Aug. 1911 | 4,553.41 | ..... |
| Toronto..... | June 1911 | 364,212.27 | ..... |
| Toronto Township..... | Aug. 1913 | 9,075.21 | ..... |
| Tottenham..... | Oct. 1918 | 114.60 | ..... |
| Trafalgar..... | Nov. 1936 | 787.05 | ..... |
| Trenton..... | Sept. 1931 | 12,474.62 | ..... |
| Tweed..... | Dec. 1930 | 1,683.89 | ..... |
| Uxbridge..... | Sept. 1922 | 3,091.67 | ..... |
| Victoria Harbour..... | July 1914 | 454.60 | ..... |
| Walkerton..... | Feb. 1931 | 6,211.22 | ..... |
| Wallaceburg..... | Feb. 1915 | 23,442.56 | ..... |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 3,379.28 | 3,249.98 | ..... | 3,249.98 | ..... |
| ..... | 296.54 | 898.42 | ..... | 898.42 | ..... |
| ..... | 3,149.51 | 4,711.10 | ..... | 4,711.10 | ..... |
| ..... | 1,953.20 | 2,993.68 | ..... | 2,993.68 | ..... |
| ..... | 1,046.25 | 1,508.98 | ..... | 1,508.98 | ..... |
| | | | | | |
| ..... | 1,354.17 | 2,845.40 | ..... | 2,845.40 | ..... |
| ..... | 11,322.44 | 23,092.32 | ..... | 23,092.32 | ..... |
| ..... | 3,948.95 | 6,716.94 | ..... | 6,716.94 | ..... |
| ..... | 746.30 | 1,357.25 | ..... | 1,357.25 | ..... |
| ..... | 346.31 | 935.44 | ..... | 935.44 | ..... |
| | | | | | |
| ..... | 1,188.45 | 3,075.90 | ..... | 3,075.90 | ..... |
| ..... | 4,139.64 | 4,730.60 | ..... | 4,730.60 | ..... |
| ..... | 743.53 | 1,588.30 | ..... | 1,588.30 | ..... |
| ..... | 1,407.08 | 2,930.35 | ..... | 2,930.35 | ..... |
| ..... | 1,912.22 | 2,325.69 | ..... | 2,325.69 | ..... |
| | | | | | |
| ..... | 1,107.44 | 1,996.56 | ..... | 1,996.56 | ..... |
| ..... | 1,216.61 | 2,245.15 | ..... | 2,245.15 | ..... |
| ..... | 967.41 | 1,408.22 | ..... | 1,408.22 | ..... |
| ..... | 136.87 | 218.04 | ..... | 218.04 | ..... |
| ..... | 592.03 | 2,198.63 | ..... | 2,198.63 | ..... |
| | | | | | |
| ..... | 200.92 | 904.56 | ..... | 904.56 | ..... |
| ..... | 188.12 | 347.08 | ..... | 347.08 | ..... |
| ..... | 9,145.12 | 10,148.06 | ..... | 10,148.06 | ..... |
| ..... | 6,259.53 | 4,068.43 | ..... | 4,068.43 | ..... |
| ..... | 4,553.41 | 6,765.74 | ..... | 6,765.74 | ..... |
| | | | | | |
| ..... | 364,212.27 | 615,550.43 | ..... | 615,550.43 | ..... |
| ..... | 9,075.21 | 18,356.52 | ..... | 18,356.52 | ..... |
| ..... | 114.60 | 107.96 | ..... | 107.96 | ..... |
| ..... | 787.05 | 2,490.47 | ..... | 2,490.47 | ..... |
| ..... | 12,474.62 | 14,972.28 | ..... | 14,972.28 | ..... |
| | | | | | |
| ..... | 1,683.89 | 3,067.91 | ..... | 3,067.91 | ..... |
| ..... | 3,091.67 | 5,298.62 | ..... | 5,298.62 | ..... |
| ..... | 454.60 | 638.39 | ..... | 638.39 | ..... |
| ..... | 6,211.22 | 8,833.52 | ..... | 8,833.52 | ..... |
| ..... | 23,442.56 | 27,738.73 | ..... | 27,738.73 | ..... |

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1946, and the accumulated amount standing

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|----------------------------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Wardsville..... | June 1921 | 36.94 | ..... |
| Warkworth..... | Oct. 1923 | 293.28 | ..... |
| Waterdown..... | Nov. 1911 | 694.42 | ..... |
| Waterford..... | April 1915 | 1,493.73 | ..... |
| Waterloo..... | Dec. 1910 | 9,394.49 | ..... |
| Watford..... | Sept. 1917 | 2,021.45 | ..... |
| Waubashene..... | Dec. 1914 | 575.36 | ..... |
| Welland..... | Sept. 1917 | 911.34 | ..... |
| Wellesley..... | Nov. 1916 | 421.03 | ..... |
| Wellington..... | April 1919 | 1,527.33 | ..... |
| West Lorne..... | Jan. 1917 | 1,223.63 | ..... |
| Weston..... | Aug. 1911 | 7,771.63 | ..... |
| Westport..... | Nov. 1931 | 116.90 | ..... |
| Wheatley..... | Feb. 1924 | 530.35 | ..... |
| Whitby..... | Jan. 1926 | 4,222.22 | ..... |
| Warton..... | May 1931 | 2,211.91 | ..... |
| Williamsburg..... | April 1915 | 416.98 | ..... |
| Winchester..... | Jan. 1914 | 999.11 | ..... |
| Windermere..... | June 1930 | 29.80 | ..... |
| Windsor..... | Oct. 1914 | 108,640.40 | ..... |
| Wingham..... | Dec. 1920 | 6,371.69 | ..... |
| Woodbridge..... | Dec. 1914 | 1,944.86 | ..... |
| Woodstock..... | Jan. 1911 | 22,179.85 | ..... |
| Woodville..... | Nov. 1914 | 331.38 | ..... |
| Wyoming..... | Nov. 1916 | 643.42 | ..... |
| York Township..... | Jan. 1941 | 53,362.02 | ..... |
| Zurich..... | Sept. 1917 | 557.80 | ..... |
| Ontario Reformatory..... | Sept. 1913 | 1,155.86 | ..... |
| Toronto Transportation Commission..... | Jan. 1927 | 5,480.06 | ..... |
| | | 1,797,094.60 | 375.82 |

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1945, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged upon annual adjustment in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 36.94 | 324.70 | ..... | 324.70 | ..... |
| ..... | 293.28 | 247.43 | ..... | 247.43 | ..... |
| ..... | 694.42 | 1,061.71 | ..... | 1,061.71 | ..... |
| ..... | 1,493.73 | 2,140.46 | ..... | 2,140.46 | ..... |
| ..... | 9,394.49 | 15,770.52 | ..... | 15,770.52 | ..... |
| ..... | 2,021.45 | 3,456.84 | ..... | 3,456.84 | ..... |
| ..... | 575.36 | 1,239.96 | ..... | 1,239.96 | ..... |
| ..... | 911.34 | 5,621.85 | ..... | 5,621.85 | ..... |
| ..... | 421.03 | 822.33 | ..... | 822.33 | ..... |
| ..... | 1,527.33 | 2,320.01 | ..... | 2,320.01 | ..... |
| ..... | 1,223.63 | 2,952.92 | ..... | 2,952.92 | ..... |
| ..... | 7,771.63 | 12,552.07 | ..... | 12,552.07 | ..... |
| ..... | 116.90 | 387.58 | ..... | 387.58 | ..... |
| ..... | 530.35 | 1,366.12 | ..... | 1,366.12 | ..... |
| ..... | 4,222.22 | 6,458.82 | ..... | 6,458.82 | ..... |
| ..... | 2,211.91 | 4,147.37 | ..... | 4,147.37 | ..... |
| ..... | 416.98 | 708.13 | ..... | 708.13 | ..... |
| ..... | 999.11 | 2,246.02 | ..... | 2,246.02 | ..... |
| ..... | 29.80 | ..... | ..... | ..... | ..... |
| ..... | 108,640.40 | 89,084.72 | ..... | 89,084.72 | ..... |
| ..... | 6,371.69 | 10,569.52 | ..... | 10,569.52 | ..... |
| ..... | 1,944.86 | 4,274.46 | ..... | 4,274.46 | ..... |
| ..... | 22,179.85 | 30,349.53 | ..... | 30,349.53 | ..... |
| ..... | 331.38 | 881.77 | ..... | 881.77 | ..... |
| ..... | 643.42 | 1,217.19 | ..... | 1,217.19 | ..... |
| ..... | 53,362.02 | 76,866.83 | ..... | 76,866.83 | ..... |
| ..... | 557.80 | 1,052.14 | ..... | 1,052.14 | ..... |
| ..... | 1,155.86 | 1,544.36 | ..... | 1,544.36 | ..... |
| ..... | 5,480.06 | 5,574.02 | ..... | 5,574.02 | ..... |
| 375.82 | 1,797,094.60 | 2,794,887.84 | ..... | 2,794,887.84 | ..... |

SOUTHERN ONTARIO SYSTEM

S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1946

| Municipality | Period of years ended Oct. 31, 1946 | Amount | Municipality | Period of years ended Oct. 31, 1946 | Amount |
|-------------------------|-------------------------------------------|---------------|---------------------|-------------------------------------------|-------------|
| | | \$ c. | | | \$ c. |
| Acton..... | 29 years | 117,318. 25 | Brigden..... | 24 years | 17,751. 69 |
| Agincourt..... | 23 " | 18,401. 46 | Brighton..... | 17 " | 20,946. 39 |
| Ailsa Craig..... | 26 " | 23,011. 50 | Brockville..... | 26 " | 286,672. 22 |
| Alexandria..... | 22 " | 44,943. 34 | Brussels..... | 23 " | 20,638. 50 |
| Alliston..... | 23 " | 38,900. 12 | Burford..... | 26 " | 22,002. 61 |
| Almonte..... | 2 " | 1,611. 81 | Burgessville..... | 25 " | 8,185. 26 |
| Alvinston..... | 23 " | 22,918. 87 | Burlington..... | 2 " | 7,319. 46 |
| Amherstburg..... | 23 " | 89,062. 51 | Caledonia..... | 29 " | 36,203. 03 |
| Ancaster Township..... | 23 " | 29,165. 85 | Campbellville..... | 22 " | 4,480. 41 |
| Apple Hill..... | 22 " | 5,176. 92 | Cannington..... | 27 " | 23,764. 25 |
| Arkona..... | 20 " | 9,981. 37 | Cardinal..... | 17 " | 11,590. 74 |
| Arnprior..... | 8 " | 21,237. 61 | Carleton Place..... | 22 " | 126,126. 62 |
| Arthur..... | 25 " | 29,500. 75 | Cayuga..... | 22 " | 16,017. 60 |
| Athens..... | 18 " | 10,654. 28 | Chatham..... | 26 " | 633,208. 59 |
| Aurora..... | 4 " | 13,474. 90 | Chatsworth..... | 26 " | 7,466. 21 |
| Aylmer..... | 23 " | 71,682. 62 | Chesley..... | 25 " | 56,938. 95 |
| Ayr..... | 27 " | 23,869. 67 | Chesterville..... | 27 " | 39,457. 10 |
| Baden..... | 29 " | 50,495. 83 | Chippawa..... | 25 " | 26,909. 67 |
| Barrie..... | 28 " | 259,062. 47 | Clifford..... | 23 " | 12,006. 00 |
| Bath..... | 15 " | 3,733. 13 | Clinton..... | 27 " | 73,662. 33 |
| Beachville..... | 29 " | 65,704. 85 | Cobden..... | 11 " | 4,007. 37 |
| Beamsville..... | 10 " | 12,354. 92 | Cobourg..... | 15 " | 89,789. 25 |
| Beaverton..... | 27 " | 31,456. 46 | Colborne..... | 14 " | 8,783. 90 |
| Beeton..... | 23 " | 23,589. 30 | Coldwater..... | 28 " | 22,300. 39 |
| Belle River..... | 24 " | 17,430. 95 | Collingwood..... | 28 " | 217,218. 79 |
| Belleville..... | 18 " | 308,428. 25 | Comber..... | 26 " | 27,449. 66 |
| Blenheim..... | 26 " | 59,882. 68 | Cookstown..... | 23 " | 8,743. 70 |
| Bloomfield..... | 18 " | 10,433. 62 | Cottam..... | 20 " | 7,521. 37 |
| Blyth..... | 23 " | 15,939. 35 | Courtright..... | 23 " | 8,828. 69 |
| Bobcaygeon..... | 1 " | 121. 89 | Creemore..... | 27 " | 18,418. 37 |
| Bolton..... | 26 " | 27,178. 02 | Dashwood..... | 24 " | 13,357. 17 |
| Bothwell..... | 26 " | 25,563. 19 | Delaware..... | 26 " | 5,569. 24 |
| Bowmanville..... | 15 " | 116,286. 19 | Delhi..... | 9 " | 15,334. 85 |
| Bradford..... | 23 " | 28,513. 71 | Deseronto..... | 16 " | 12,963. 51 |
| Braeside..... | 2 " | 867. 38 | Dorchester..... | 27 " | 11,999. 48 |
| Brampton..... | 30 " | 270,140. 61 | Drayton..... | 23 " | 20,203. 88 |
| Brantford..... | 27 " | 1,500,852. 28 | Dresden..... | 26 " | 50,572. 46 |
| Brantford Township..... | 23 " | 63,094. 99 | Drumbo..... | 27 " | 10,587. 41 |
| Brechin..... | 27 " | 11,105. 65 | Dublin..... | 24 " | 8,555. 52 |
| Bridgeport..... | 19 " | 11,203. 43 | Dundalk..... | 26 " | 20,411. 46 |

SOUTHERN ONTARIO SYSTEM

S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1946

| Municipality | Period of years ended Oct. 31, 1946 | Amount | Municipality | Period of years ended Oct. 31, 1946 | Amount |
|------------------------------|-------------------------------------------|--------------|---------------------------|-------------------------------------------|--------------|
| | | \$ c. | | | \$ c. |
| Dundas | 30 years | 225,385.44 | Holstein | 25 years | 4,067.78 |
| Dunnville | 24 " | 102,642.44 | Humberstone | 23 " | 36,305.50 |
| Durham | 26 " | 47,468.69 | Huntsville | 25 " | 96,670.25 |
| Dutton | 26 " | 30,582.53 | Ingersoll | 30 " | 291,980.39 |
| East York Township | 22 " | 490,352.64 | Iroquois | 7 " | 4,044.14 |
| Elmira | 28 " | 120,626.67 | Jarvis | 23 " | 23,909.35 |
| Elmvale | 28 " | 22,474.41 | Kemptville | 22 " | 32,781.35 |
| Elmwood | 23 " | 6,802.71 | Kincardine | 22 " | 69,559.74 |
| Elora | 27 " | 56,938.13 | Kingston | 9 " | 269,055.95 |
| Embro | 27 " | 17,449.26 | Kingsville | 23 " | 65,939.28 |
| Erieau | 23 " | 11,616.36 | Kirkfield | 22 " | 4,885.42 |
| Erie Beach | 22 " | 2,660.34 | Kitchener | 30 " | 2,101,108.16 |
| Essex | 23 " | 52,058.04 | Lakefield | 18 " | 22,176.88 |
| Etobicoke Township | 24 " | 409,401.68 | Lambeth | 26 " | 15,290.10 |
| Exeter | 25 " | 68,128.63 | Lanark | 22 " | 9,978.66 |
| Fergus | 27 " | 105,598.07 | Lancaster | 22 " | 9,127.55 |
| Finch | 19 " | 7,466.35 | LaSalle | 21 " | 23,322.45 |
| Flesherton | 26 " | 9,844.48 | Leamington | 23 " | 148,755.44 |
| Fonthill | 21 " | 11,359.31 | Lindsay | 18 " | 174,775.22 |
| Forest | 24 " | 55,152.89 | Listowel | 25 " | 127,436.37 |
| Forest Hill | 23 " | 326,272.96 | London | 30 " | 3,803,603.03 |
| Galt | 30 " | 882,012.06 | London Township | 22 " | 35,982.06 |
| Georgetown | 28 " | 168,937.11 | Long Branch | 16 " | 53,886.92 |
| Glencoe | 23 " | 31,885.72 | Lucan | 26 " | 27,557.63 |
| Goderich | 27 " | 194,163.29 | Lucknow | 22 " | 33,231.60 |
| Grand Valley | 25 " | 18,842.30 | Lynden | 26 " | 19,205.50 |
| Granton | 25 " | 12,061.43 | Madoc | 17 " | 13,669.24 |
| Gravenhurst | 26 " | 54,058.08 | Markdale | 25 " | 16,382.09 |
| Grimsby | 5 " | 11,362.57 | Markham | 23 " | 31,602.92 |
| Guelph | 30 " | 1,041,848.01 | Marmora | 18 " | 9,561.49 |
| Hagersville | 28 " | 117,176.72 | Martintown | 22 " | 3,337.12 |
| Hamilton | 30 " | 8,392,223.98 | Maxville | 22 " | 14,687.08 |
| Hanover | 25 " | 127,160.81 | Meaford | 22 " | 51,409.55 |
| Harriston | 25 " | 53,658.62 | Merlin | 23 " | 17,189.01 |
| Harrow | 23 " | 43,743.07 | Merritton | 25 " | 329,768.28 |
| Hastings | 16 " | 6,901.48 | Midland | 28 " | 344,509.35 |
| Havelock | 18 " | 18,714.99 | Mildmay | 14 " | 6,796.51 |
| Hensall | 25 " | 26,331.42 | Millbrook | 8 " | 2,467.36 |
| Hespeler | 30 " | 192,906.58 | Milton | 28 " | 154,077.37 |
| Highgate | 25 " | 14,630.36 | Milverton | 25 " | 62,869.78 |

SOUTHERN ONTARIO SYSTEM S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1946

| Municipality | Period of years ended Oct. 31, 1946 | Amount | Municipality | Period of years ended Oct. 31, 1946 | Amount |
|----------------------|-------------------------------------------|------------|----------------------|-------------------------------------------|--------------|
| | | \$ c. | | | \$ c. |
| Mimico..... | 29 years | 223,418.50 | Port Dover..... | 23 years | 42,919.66 |
| Mitchell..... | 30 " | 70,165.58 | Port Elgin..... | 16 " | 24,579.11 |
| Moorefield..... | 23 " | 9,622.24 | Port Hope..... | 17 " | 107,223.22 |
| Morrisburg..... | 9 " | 6,042.61 | Port McNicoll..... | 27 " | 9,760.08 |
| Mount Brydges..... | 26 " | 11,832.66 | Port Perry..... | 22 " | 28,761.28 |
| Mount Forest..... | 26 " | 52,998.72 | Port Rowan..... | 20 " | 11,109.19 |
| Napanee..... | 17 " | 71,746.19 | Port Stanley..... | 29 " | 64,091.15 |
| Neustadt..... | 23 " | 9,171.71 | Prescott..... | 27 " | 81,205.36 |
| Newbury..... | 23 " | 6,609.35 | Preston..... | 30 " | 394,180.57 |
| Newcastle..... | 10 " | 5,240.35 | Priceville..... | 22 " | 1,460.97 |
| New Hamburg..... | 30 " | 74,662.53 | Princeton..... | 27 " | 15,117.82 |
| Newmarket..... | 2 " | 7,940.59 | Queenston..... | 23 " | 10,684.11 |
| New Toronto..... | 27 " | 756,692.71 | Renfrew..... | 2 " | 2,153.50 |
| Niagara Falls..... | 26 " | 857,376.59 | Richmond..... | 19 " | 5,318.66 |
| Niagara-on-the-Lake | 23 " | 51,798.13 | Richmond Hill..... | 22 " | 33,819.59 |
| North York Township | 23 " | 342,039.83 | Ridgetown..... | 26 " | 65,662.02 |
| Norwich..... | 29 " | 55,123.43 | Ripley..... | 22 " | 12,863.25 |
| Norwood..... | 18 " | 9,989.38 | Riverside..... | 24 " | 127,459.49 |
| Oil Springs..... | 23 " | 35,813.35 | Rockwood..... | 28 " | 16,995.95 |
| Omeme..... | 7 " | 3,826.90 | Rodney..... | 24 " | 20,900.33 |
| Orangeville..... | 25 " | 71,974.65 | Rosseau..... | 16 " | 6,040.46 |
| Orono..... | 8 " | 2,530.02 | Russell..... | 21 " | 8,769.41 |
| Oshawa..... | 18 " | 921,000.73 | St. Catharines..... | 25 " | 1,125,909.92 |
| Ottawa..... | 31 " | 412,823.15 | St. Clair Beach..... | 24 " | 10,737.24 |
| Otterville..... | 25 " | 13,683.44 | St. George..... | 26 " | 21,431.60 |
| Owen Sound..... | 26 " | 362,046.69 | St. Jacobs..... | 24 " | 26,335.09 |
| Paisley..... | 22 " | 17,178.98 | St. Marys..... | 30 " | 197,895.11 |
| Palmerston..... | 25 " | 67,382.82 | St. Thomas..... | 30 " | 757,517.61 |
| Paris..... | 27 " | 174,063.89 | Sarnia..... | 25 " | 962,247.77 |
| Parkhill..... | 23 " | 29,979.15 | Scarborough Twp.... | 23 " | 317,926.62 |
| Penetanguishene..... | 30 " | 98,367.31 | Seaforth..... | 30 " | 93,187.65 |
| Perth..... | 22 " | 112,677.57 | Shelburne..... | 25 " | 29,662.40 |
| Peterborough..... | 18 " | 561,787.67 | Simcoe..... | 26 " | 180,155.68 |
| Petrolia..... | 25 " | 152,987.01 | Smiths Falls..... | 23 " | 165,192.34 |
| Picton..... | 18 " | 89,224.06 | Smithville..... | 6 " | 3,329.18 |
| Plattsville..... | 27 " | 14,612.79 | Southampton..... | 16 " | 23,243.94 |
| Point Edward..... | 24 " | 104,740.90 | Springfield..... | 24 " | 13,355.34 |
| Port Colborne..... | 25 " | 156,986.47 | Stamford Township.. | 25 " | 157,125.00 |
| Port Credit..... | 29 " | 66,712.81 | Stayner..... | 28 " | 26,453.87 |
| Port Dalhousie..... | 25 " | 60,737.39 | Stirling..... | 17 " | 14,953.11 |

SOUTHERN ONTARIO SYSTEM

S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1946

| Municipality | Period of years ended Oct. 31, 1946 | Amount | Municipality | Period of years ended Oct. 31, 1946 | Amount |
|----------------------|-------------------------------------------|---------------|---------------------------|-------------------------------------------|-----------------|
| | | \$ c. | | | \$ c. |
| Stouffville..... | 23 years | 27,563. 60 | Watford..... | 24 years | 37,924. 63 |
| Stratford..... | 30 " | 888,118. 24 | Waubashene..... | 27 " | 7,472. 08 |
| Strathroy..... | 27 " | 138,484. 19 | Welland..... | 24 " | 518,578. 52 |
| Streetsville..... | 12 " | 6,756. 38 | Wellesley..... | 25 " | 23,346. 57 |
| Sunderland..... | 27 " | 15,114. 18 | Wellington..... | 18 " | 16,825. 55 |
| Sutton..... | 23 " | 27,498. 79 | West Lorne..... | 25 " | 36,755. 76 |
| Swansea..... | 21 " | 148,244. 50 | Weston..... | 30 " | 373,354. 24 |
| Tara..... | 23 " | 13,284. 67 | Westport..... | 15 " | 8,997. 25 |
| Tavistock..... | 25 " | 69,829. 58 | Wheatley..... | 23 " | 22,344. 00 |
| Tecumseh..... | 24 " | 41,429. 73 | Whitby..... | 18 " | 85,372. 42 |
| Teeswater..... | 22 " | 19,322. 22 | Warton..... | 16 " | 25,335. 63 |
| Thamesford..... | 27 " | 26,234. 26 | Williamsburg..... | 26 " | 9,526. 64 |
| Thamesville..... | 26 " | 26,415. 93 | Winchester..... | 27 " | 30,480. 03 |
| Thedford..... | 23 " | 15,118. 25 | Windermere..... | 17 " | 4,214. 85 |
| Thornbury..... | 2 " | 565. 14 | Windsor..... | 27 " | 4,709,684. 52 |
| Thorndale..... | 27 " | 12,849. 56 | Wingham..... | 22 " | 61,878. 60 |
| Thornton..... | 23 " | 5,117. 83 | Woodbridge..... | 27 " | 51,037. 31 |
| Thorold..... | 24 " | 166,079. 87 | Woodstock..... | 30 " | 638,933. 96 |
| Tilbury..... | 26 " | 81,448. 88 | Woodville..... | 27 " | 14,642. 25 |
| Tillsonburg..... | 30 " | 137,131. 81 | Wyoming..... | 25 " | 12,431. 80 |
| Toronto..... | 30 " | 29,183,587.60 | York Township..... | 26 " | 1,194,468. 79 |
| Toronto Township... | 28 " | 195,071. 54 | Zurich..... | 24 " | 20,043. 41 |
| Tottenham..... | 23 " | 16,759. 42 | Ontario Reformatory. | 12 " | 11,541. 62 |
| Trafalgar Township.. | 10 " | 18,273. 35 | Toronto Transporta- | | |
| Trenton..... | 15 " | 157,893. 08 | tion Commission... | 25 " | 236,597. 29 |
| Tweed..... | 16 " | 17,486. 22 | Sandwich, Windsor & | | |
| Uxbridge..... | 22 " | 31,378. 65 | Amherstburg Rly.... | 24 " | 231,146. 07 |
| Victoria Harbour... | 27 " | 9,822. 51 | | | |
| Walkerton..... | 16 " | 39,036. 34 | Total Municipalities..... | | \$79,782,957.95 |
| Wallaceburg..... | 26 " | 308,416. 85 | | | |
| Wardsville..... | 23 " | 5,646. 94 | Total—Rural Power Dis- | | |
| Warkworth..... | 18 " | 6,365. 04 | trict..... | | 7,735,811. 29 |
| Waterdown..... | 30 " | 32,779. 59 | Total—Rural lines..... | | 781. 84 |
| Waterford..... | 26 " | 49,042. 64 | | | |
| Waterloo..... | 30 " | 420,333. 70 | Grand Total..... | | \$87,519,551.08 |

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

RURAL POWER DISTRICT

Operating Account for the year ended October 31, 1946

| | |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Revenue from customers in rural power district. | \$6,961,246.06 |
| Cost of power as provided to be paid under Power Commission Act.. | \$3,258,030.20 |
| Cost of operation, maintenance and administration. | 1,983,609.85 |
| Interest (including interest on sinking fund, renewals, and other reserves and after deducting interest earned on investments). . . . | 942,715.98 |
| Provision for renewals. | 451,226.89 |
| Provision for sinking fund. | 240,780.90 |
| | <hr/> 6,876,363.82 |
| Balance. | <hr/> \$84,882.24 |

Rates Suspense Account—as at October 31, 1946

| | |
|---------------------------------------------|----------------------------------|
| Balance at credit November 1, 1945. | \$3,130,489.19 |
| Interest on account balances. | 125,197.58 |
| Operating balance for the year. | 84,882.24 |
| Adjustments made during the year. | \$1,369.36 |
| Balance at credit October 31, 1946. | 3,339,199.65 |
| | <hr/> |
| | \$3,340,569.01 \$3,340,569.01 |

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM—Rural Lines

Georgian Bay Division

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipality that operates the rural line for the year ended October 31, 1946

| Operated by | Capital cost | Interest | Provision for renewals | Provision for contingencies and obsolescence | Provision for sinking fund | Total interest, renewals, contingencies and obsolescence, and sinking fund charged |
|--------------|-----------------|----------------|------------------------|----------------------------------------------|----------------------------|------------------------------------------------------------------------------------|
| Brechin..... | \$ c. 922.02 | \$ c. 48.22 | \$ c. 18.44 | \$ c. 9.22 | \$ c. 16.60 | \$ c. 92.48 |

Statement showing the total Sinking Fund in respect of the line, together with interest allowed thereon to October 31, 1946

| Operated by | Period of years ended October 31, 1946 | Amount |
|--------------|----------------------------------------|-----------------|
| Brechin..... | 28 years | \$ c. 781.84 |

THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount billed by the Commission against or charged to each Municipality in respect of power

| Municipality | Interim rates per horsepower collected by Commission during year | Share of capital cost of system | Average horse-power supplied in year after correction for power factor | Share of operating | | |
|-------------------------------------------|------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|---------------------------------------------------|------------|------------------------|
| | To October 31, 1946 | | | Operating maintenance and administrative expenses | Interest | Provision for renewals |
| | \$ c. | \$ c. | | \$ c. | \$ c. | \$ c. |
| Fort William..... | 20.00 | 2,766,661.02 | 17,325.4 | 70,107.76 | 117,794.55 | 24,592.56 |
| Nipigon Township.... | 28.00 | 63,081.16 | 317.1 | 2,180.31 | 2,386.79 | 545.39 |
| Port Arthur..... | 20.00 | 3,616,102.44 | 22,714.9 | 91,302.29 | 153,908.86 | 32,074.72 |
| Totals—Municipalities..... | | 6,445,844.62 | 40,357.4 | 163,590.36 | 274,090.20 | 57,212.67 |
| Totals—Rural power district..... | | 196,644.33 | 1,019.2 | 4,479.97 | 8,407.14 | 1,953.34 |
| Totals—Companies..... | | 9,717,273.29 | 63,318.1 | 262,498.74 | 409,453.16 | 81,894.26 |
| Totals—Rainy River district (N.O.P.)..... | | 2,520,844.21 | 17,357.5 | 59,981.58 | 107,795.22 | 20,951.03 |
| Totals—Mining area (mines)..... | | 1,961,589.90 | 8,639.9 | 130,232.37 | 83,934.11 | 8,436.65 |
| Totals—Mining area (townsites).... | | 291,123.71 | 768.2 | 27,376.68 | 12,393.23 | 750.14 |
| | | 21,133,320.06 | | | | |
| Non-operating capital..... | | 1,748,012.79 | | | | |
| Grand Totals..... | | 22,881,332.85 | 131,460.3 | 648,159.70 | 896,073.06 | 171,198.09 |

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of powerments made during the year; also the net amount Credited or Charged to each 1946, and the accumulated amount standing as a Credit

| Municipality | Date commenced operating | Net credit or charge at October 31, 1945 | |
|-----------------------|--------------------------|------------------------------------------|--------|
| | | Credit | Charge |
| | | \$ c. | \$ c. |
| Fort William..... | Oct. 1926 | 24,701.70 | ..... |
| Nipigon Township..... | Jan. 1925 | 1,422.91 | ..... |
| Port Arthur..... | Dec. 1910 | 36,978.29 | ..... |
| Totals..... | | 63,102.90 | ..... |

SYSTEM

T.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to each Municipality at interim rates, and the balance credited supplied to it in the year ended October 31, 1946

| costs and fixed charges | | | Cost in excess of revenue from power sold to private companies | Amount chargeable to each municipality in respect of power supplied to it in the year | Amount billed against each municipality at interim rates | Balance credited to each municipality |
|----------------------------------------------|--------------------------------------|----------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| Provision for contingencies and obsolescence | Provision for stabilization of rates | Provision for sinking fund | Debit | | | |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 73,635.45 | | 29,087.46 | 6,774.32 | 321,992.10 | 346,507.98 | 24,515.88 |
| 1,379.48 | | 594.95 | 123.99 | 7,210.91 | 8,877.41 | 1,666.50 |
| 96,485.61 | | 38,017.93 | 8,881.64 | 420,671.05 | 454,298.32 | 33,627.27 |
| 171,500.54 | | 67,700.34 | 15,779.95 | 749,874.06 | 809,683.71 | 59,809.65 |
| 4,500.62 | | 2,066.70 | 398.51 | 21,806.28 | 21,806.28 | |
| 266,550.16 | | 100,654.46 | (16,178.46) | 1,104,872.32 | 1,104,872.32 | |
| 11,791.60 | | 26,498.93 | | 227,018.36 | 227,018.36 | |
| 84,812.13 | (82,103.07) | 11,647.72 | | 236,959.91 | 236,959.91 | |
| 18,278.74 | (8,232.74) | 1,035.63 | | 51,601.68 | 51,601.68 | |
| | | | | | | |
| 557,433.79 | (90,335.81) | 209,603.78 | | 2,392,132.61 | 2,451,942.26 | 59,809.65 |

SYSTEM

T.B.—CREDIT OR CHARGE

supplied to it to October 31, 1945, the cash receipts and payments thereon, and adjust- Municipality in respect of power supplied in the year ended October 31, or Charge to each Municipality at October 31, 1946

| Cash receipts and payments on account of such credits and charges, also adjustments made during the year | | Net amount credited or charged in respect of power supplied in the year ended October 31, 1946 | | Accumulated amount standing as a credit or charge on October 31, 1946 | |
|----------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| Credited | Charged | Credited | Charged | Credit | Charge |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| | 24,701.70 | 24,515.88 | | 24,515.88 | |
| | 1,422.91 | 1,666.50 | | 1,666.50 | |
| | 36,978.29 | 33,627.27 | | 33,627.27 | |
| | 63,102.90 | 59,809.65 | | 59,809.65 | |

THUNDER BAY SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1946

| Municipality | Period of years ended October 31, 1946 | Amount |
|---------------------------------|-------------------------------------------|--------------|
| | | \$ c. |
| Fort William..... | 20 years | 1,306,452.57 |
| Nipigon Township..... | 20 years | 13,898.32 |
| Port Arthur..... | 20 years | 3,396,541.16 |
| Total—Municipalities..... | | 4,716,892.05 |
| Total—Rural power district..... | | 63,925.12 |
| Grand total..... | | 4,780,817.17 |

THUNDER BAY SYSTEM—RURAL POWER DISTRICT

Operating Account for year ended October 31, 1946

| | |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Revenue from customers in rural power district..... | \$62,000.06 |
| Cost of power as provided to be paid under Power Commission Act.... | \$21,806.28 |
| Cost of operation, maintenance and administration..... | 24,544.15 |
| Interest (including interest on sinking fund, renewals, and other reserves and after deducting interest earned on investments)..... | 11,900.23 |
| Provision for renewals..... | 5,556.30 |
| Provision for sinking fund..... | 2,925.39 |
| | <u>66,732.35</u> |
| | <u>(\$4,732.29)</u> |

Rates Suspense Account as at October 31, 1946

| | |
|-----------------------------------------|---------------------------------------|
| Balance at debit, November 1, 1945..... | \$17,902.64 |
| Interest on account balances..... | 716.12 |
| Operating balance for the year..... | 4,732.29 |
| Balance at debit, October 31, 1946..... | \$23,351.05 |
| | <u>\$23,351.05</u> <u>\$23,351.05</u> |

NORTHERN ONTARIO PROPERTIES .

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the year ended October 31, 1946

Relating to Power Properties which are held and operated by the Commission in trust for the Province of Ontario, and which are situated in the following Northern Districts:

| | | | |
|----------|-------------|-------------|-----------|
| Abitibi | Timiskaming | Sudbury | Nipissing |
| Patricia | Rainy River | Rural Power | |

STATEMENTS

Balance Sheet as at October 31, 1946

Operating Account for the year ended October 31, 1946

Schedules supporting the Balance Sheet as at October 31, 1946

Fixed Assets—By Districts

Fixed Assets—Changes during year

Renewals Reserve

Contingencies and Obsolescence Reserve

Sinking Fund Reserve

THE HYDRO-ELECTRIC POWER

NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power Commission

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:

| | |
|---------------------------|------------------|
| Abitibi district..... | \$ 28,988,591.40 |
| Timiskaming district..... | 12,678,934.86 |
| Sudbury district..... | 4,385,982.83 |
| Nipissing district..... | 1,479,095.88 |
| Patricia district..... | 4,885,682.54 |
| Rainy River district..... | 1,542,341.21 |
| Rural Power district..... | 1,262,780.08 |

\$ 55,223,408.80

Less: Grants-in-aid of construction:

| | |
|---------------------------------------------------|-------------------------|
| Province of Ontario—for rural power district..... | 588,909.91 |
| | <u>\$ 54,634,498.89</u> |

CURRENT ASSETS:

| | |
|------------------------------------------------------------------------|-----------------|
| Employees' working funds..... | \$ 18,795.00 |
| The Hydro-Electric Power Commission of Ontario—current account..... | 2,640,728.47 |
| Sundry accounts receivable..... | 27,289.04 |
| Power accounts receivable..... | 614,432.90 |
| Interest accrued..... | 15,234.38 |
| Consumers' deposits—securities: | |
| Bonds at par value..... | \$ 1,204,450.00 |
| Stocks at market value..... | 223,462.95 |

1,427,912.95

Prepayments..... 67,386.00

4,811,778.74

INVENTORIES:

| | |
|-----------------------------------------|---------------|
| Maintenance materials and supplies..... | \$ 381,613.31 |
| Maintenance tools and equipment..... | 137,539.06 |

519,152.37

DEFERRED CHARGES AND SUNDRY ASSETS:

| | |
|--------------------------------------------|---------------|
| Work in progress—deferred work orders..... | \$ 484,414.47 |
| Unamortized discount on debentures..... | 74,367.76 |

558,782.23

INVESTMENTS (Including sinking fund investments of \$2,396,435.12):

| | |
|-------------------------------------------------------------------------|--------------|
| Province of Ontario and Dominion of Canada bonds at amortized cost..... | 2,436,163.47 |
|-------------------------------------------------------------------------|--------------|

\$ 62,960,375.70

COMMISSION OF ONTARIO

PROPERTIES

of Ontario in trust for the Province of Ontario

OCTOBER 31, 1946

LIABILITIES AND RESERVES

LONG TERM LIABILITIES (at par of exchange):

| | | |
|----------------------------------------------------------------------|------------------|------------------|
| Funded debt in the hands of the public | \$ 30,833,600.00 | |
| Advances from the Province of Ontario for capital purposes | 5,497,903.65 | |
| Purchase agreements | 5,969.22 | |
| | | \$ 36,337,472.87 |

CURRENT LIABILITIES:

| | | |
|------------------------------------------|--------------|--------------|
| Power accounts—credit balances | \$ 2,398.95 | |
| Consumers' deposits | 1,611,586.80 | |
| Debenture interest accrued | 191,984.70 | |
| Miscellaneous accruals | 12,236.36 | |
| | | 1,818,206.81 |

RESERVES:

| | | |
|------------------------------------------|-----------------|--------------|
| Renewals | \$ 5,300,222.47 | |
| Contingencies and obsolescence | 3,401,620.74 | |
| Miscellaneous | 296,725.31 | |
| | | 8,998,568.52 |

SINKING FUND RESERVES:

Represented by:

| | | |
|-----------------------------------------------------------------------------|------------------|---------------|
| Funded debt and provincial advances retired through sinking funds | \$ 13,185,607.82 | |
| Sinking fund investments | 2,396,435.12 | |
| | | 15,582,042.94 |
| SURPLUS | | 224,084.56 |

\$ 62,960,375.70

Auditors' Report

We have made an examination of the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario, as at October 31, 1946 and of the attached statements of operations and surplus for the year ended on that date. In connection therewith we reviewed the system of internal control and the accounting procedures of the Commission, and, without making a detailed audit of the transactions, have examined or tested accounting records of the Commission and other supporting evidence by methods and to the extent we deemed appropriate.

We report that in our opinion the foregoing balance sheet and related statements of operations and surplus (as more fully reported upon by us to the Lieutenant-Governor in Council) have been drawn up so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties operated by the Commission at October 31, 1946 and the results of their operation for the year ended on that date, according to the best of our information and the explanations given us and as shown by the books.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
May 14, 1947.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

NORTHERN ONTARIO PROPERTIES

**Held and operated by The Hydro-Electric Power Commission of Ontario
in trust for the Province of Ontario**

Statement of Operations for the year ended October 31, 1946

REVENUE:

Power sold to private companies and other customers. \$6,096,699.60

COST OF OPERATION:

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|
| Power purchased. | \$273,507.96 | |
| Operating, maintenance and administrative expenses. | 2,127,683.38 | |
| Interest (including interest on sinking fund, renewals, and other reserves and after deducting interest earned on investments) | 1,966,735.53 | |
| Provision for renewals. | 484,696.78 | |
| Provision for contingencies. | nil | |
| Provision for sinking fund. | 1,559,352.05 | |
| | | <u>6,411,975.70</u> |
| NET LOSS ON OPERATIONS FOR YEAR. | | <u><u>\$315,276.10</u></u> |

Statement of Surplus for the year ended October 31, 1946

| | |
|-----------------------------------------------------------------|----------------------------|
| Balance at credit November 1, 1945. | \$577,316.24 |
| Adjustment of reserves provided in 1945. | 37,955.58 |
| | <u>\$539,360.66</u> |
| Less: | |
| Net loss on operations for year ended October 31, 1946. | 315,276.10 |
| | <u>\$224,084.56</u> |
| BALANCE AT CREDIT OCTOBER 31, 1946. | <u><u>\$224,084.56</u></u> |

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

FIXED ASSETS—October 31, 1946

| Property | Under construction | In service | | Total |
|-----------------------------------|--------------------|-----------------|---------------|---------------|
| | | Non-depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| ABITIBI DISTRICT | | | | |
| Power Plants: | | | | |
| Abitibi river: | | | | |
| Abitibi Canyon..... | 5,720.40 | 5,530,862.63 | 13,448,189.21 | 18,984,772.24 |
| Frederick House dam..... | 29,142.55 | 124,513.86 | 731,385.05 | 885,041.46 |
| Dasserat Lake diversion..... | | 4,220.89 | 34,471.80 | 38,692.69 |
| Watabeag Lake Dam..... | | 6,983.63 | 64,565.68 | 71,549.31 |
| | 34,862.95 | 5,666,581.01 | 14,278,611.74 | 19,980,055.70 |
| Transformer Stations..... | 26,805.67 | 215,856.69 | 2,087,755.04 | 2,330,417.40 |
| Transmission Lines..... | 48,362.14 | 830,142.02 | 5,704,121.16 | 6,582,625.32 |
| Local Systems..... | 346.83 | | 95,146.15 | 95,492.98 |
| | 110,377.59 | 6,712,579.72 | 22,165,634.09 | 28,988,591.40 |
| TIMISKAMING DISTRICT | | | | |
| Power Plants: | | | | |
| Matabitchuan river: | | | | |
| Matabitchuan..... | | 3,240.00 | 650,902.72 | 654,142.72 |
| Storage dams..... | | | 134,000.00 | 134,000.00 |
| Montreal river: | | | | |
| Upper Notch..... | | 4,860.00 | 1,378,172.00 | 1,383,032.00 |
| Fountain Falls..... | | | 349,751.00 | 349,751.00 |
| Ragged Chute..... | | | 976,000.00 | 976,000.00 |
| Hound Chute..... | 119.87 | 3,240.00 | 446,620.00 | 449,979.87 |
| Indian Chute..... | 3,094.53 | | 409,800.00 | 412,894.53 |
| Storage dams..... | | | 165,000.00 | 165,000.00 |
| Mattagami river: | | | | |
| Sandy Falls..... | | | 520,955.00 | 520,955.00 |
| Wawaitin..... | | | 764,212.00 | 764,212.00 |
| Lower Sturgeon..... | | 53,250.00 | 775,333.00 | 828,583.00 |
| Storage dams..... | | 1,944.00 | 161,056.00 | 163,000.00 |
| Intangible..... | | 858,699.15 | | 858,699.15 |
| | 3,214.40 | 925,233.15 | 6,731,801.72 | 7,660,249.27 |
| Transformer Stations..... | 9,496.35 | | 1,208,621.59 | 1,218,117.94 |
| Transmission Lines..... | 29,226.20 | 290,360.00 | 1,957,911.60 | 2,277,497.80 |
| Office and Service Buildings..... | | | 153,967.79 | 153,967.79 |
| Local Distribution Systems..... | | | 1,369,102.06 | 1,369,102.06 |
| | 41,936.95 | 1,215,593.15 | 11,421,404.76 | 12,678,934.86 |

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

FIXED ASSETS—October 31, 1946

| Property | Under Construction | In service | | Total |
|--------------------------------------|-----------------------|---------------------|--------------|--------------|
| | | Non- depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| SUDBURY DISTRICT | | | | |
| Power Plants: | | | | |
| Wanapitei river: | | | | |
| Coniston | 3,819.42 | 13,597.20 | 732,799.66 | 750,216.28 |
| McVitties | 1,106.97 | 13,323.00 | 387,797.21 | 402,227.18 |
| Stinson | 621.99 | 33,000.00 | 656,001.78 | 689,623.77 |
| Storage dam | | 25.00 | 194,870.00 | 194,895.00 |
| Intangible | | 830,514.53 | | 830,514.53 |
| Sturgeon river: | | | | |
| Crystal Falls and Storage dams | | 44,531.27 | 938,469.02 | 983,000.29 |
| | 5,548.38 | 934,991.00 | 2,909,937.67 | 3,850,477.05 |
| Transformer Stations | 281.83 | | 76,779.39 | 77,061.22 |
| Transmission Lines | 128.20 | | 458,316.36 | 458,444.56 |
| | 5,958.41 | 934,991.00 | 3,445,033.42 | 4,385,982.83 |
| NIPISSING DISTRICT | | | | |
| Power Plants: | | | | |
| South river: | | | | |
| Nipissing | | 11,089.60 | 242,559.52 | 253,649.12 |
| Bingham Chute | | 12,105.05 | 244,854.55 | 256,959.60 |
| Elliot Chute | | 119,307.09 | 334,834.33 | 454,141.42 |
| Storage dams | | | 76,122.70 | 76,122.70 |
| Miscellaneous | | | 2,678.64 | 2,678.64 |
| Intangible | | 69,478.34 | | 69,478.34 |
| | | 211,980.08 | 901,049.74 | 1,113,029.82 |
| Transformer Stations | 686.27 | | 64,989.79 | 65,676.06 |
| Transmission Lines | 747.84 | | 260,898.24 | 261,646.08 |
| Local Systems | | 2,219.65 | 36,524.27 | 38,743.92 |
| | 1,434.11 | 214,199.73 | 1,263,462.04 | 1,479,095.88 |
| PATRICIA DISTRICT | | | | |
| Power Plants: | | | | |
| English river: | | | | |
| Ear Falls | 73,408.18 | 566.75 | 1,813,719.46 | 1,887,694.39 |
| Albany river: | | | | |
| Rat Rapids | 59,170.60 | 39,297.44 | 556,023.96 | 654,492.00 |
| | 132,578.78 | 39,864.19 | 2,369,743.42 | 2,542,186.39 |
| Transformer Stations | 5,325.11 | | 183,427.17 | 188,752.28 |
| Transmission Lines | 250,770.06 | | 1,847,787.81 | 2,098,557.87 |
| Local System | 3,383.49 | | 52,802.51 | 56,186.00 |
| | 392,057.44 | 39,864.19 | 4,453,760.91 | 4,885,682.54 |

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

FIXED ASSETS—October 31, 1946

| Property | Under Construction | In service | | Total |
|-----------------------------|-----------------------|---------------------|--------------|--------------|
| | | Non- depreciable | Depreciable | |
| RAINY RIVER DISTRICT | \$ c. | \$ c. | \$ c. | \$ c. |
| Transformer Stations..... | 115.73 | | 148,546.21 | 148,661.94 |
| Transmission Lines..... | 2,211.54 | 349,563.46 | 1,009,636.70 | 1,361,411.70 |
| Local System..... | | | 32,267.57 | 32,267.57 |
| | 2,327.27 | 349,563.46 | 1,190,450.48 | 1,542,341.21 |
| NORTHERN ONTARIO PROPERTIES | | | | |
| RURAL POWER DISTRICT | | | | |
| Transformer Stations..... | | | 10,820.23 | 10,820.23 |
| H-E.P.C. investment..... | 62,835.52 | | 600,214.42 | 663,049.94 |
| Government grants..... | 62,835.51 | | 526,074.40 | 588,909.91 |
| | 125,671.03 | | 1,137,109.05 | 1,262,780.08 |

FIXED ASSETS—Summary, October 31, 1946

| Property | Under Construction | In service | | Total |
|-------------------------------------------------------------------------------|-----------------------|---------------------|---------------|---------------|
| | | Non- depreciable | Depreciable | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Abitibi district..... | 110,377.59 | 6,712,579.72 | 22,165,634.09 | 28,988,591.40 |
| Timiskaming district..... | 41,936.95 | 1,215,593.15 | 11,421,404.76 | 12,678,934.86 |
| Sudbury district..... | 5,958.41 | 934,991.00 | 3,445,033.42 | 4,385,982.83 |
| Nipissing district..... | 1,434.11 | 214,199.73 | 1,263,462.04 | 1,479,095.88 |
| Patricia district..... | 392,057.44 | 39,864.19 | 4,453,760.91 | 4,885,682.54 |
| Rainy River district..... | 2,327.27 | 349,563.46 | 1,190,450.48 | 1,542,341.21 |
| Rural power district..... | 125,671.03 | | 1,137,109.05 | 1,262,780.08 |
| | 679,762.80 | 9,466,791.25 | 45,076,854.75 | 55,223,408.80 |
| Less: | | | | |
| Grants-in-aid of construction: Province of Ontario for rural power district.. | | | | 588,909.91 |
| | | | | 54,634,498.89 |

**NORTHERN ONTARIO
CHANGES IN FIXED ASSETS—**

| Class of asset | Balance at beginning of year | Expenditure during year |
|------------------------------------------------|------------------------------------|----------------------------|
| POWER PLANTS: | \$ c. | \$ c. |
| Abitibi district..... | 19,894,966.01 | 86,499.69 |
| Timiskaming district..... | 8,329,892.57 | 5,073.33 |
| Sudbury district..... | 3,846,859.42 | 3,736.63 |
| Nipissing district..... | 1,110,056.79 | 3,731.99 |
| Patricia district..... | 2,409,822.34 | 132,578.78 |
| | 35,591,597.13 | 231,620.42 |
| TRANSFORMER STATIONS: | | |
| Abitibi district..... | 2,292,456.78 | 39,077.10 |
| Timiskaming district..... | 1,180,075.15 | 13,359.15 |
| Sudbury district..... | 77,703.38 | 627.83 |
| Nipissing district..... | 52,775.61 | 13,211.90 |
| Patricia district..... | 172,054.65 | 17,019.12 |
| Rainy River district..... | 147,415.56 | 881.26 |
| | 3,922,481.13 | 84,176.36 |
| TRANSMISSION LINES: | | |
| Abitibi district..... | 6,500,252.32 | 83,861.12 |
| Timiskaming district..... | 2,200,751.87 | 69,802.81 |
| Sudbury district..... | 459,180.39 | 130.24 |
| Nipissing district..... | 213,111.42 | 72,290.81 |
| Patricia district..... | 1,806,916.78 | 291,641.09 |
| Rainy River district..... | 1,360,316.08 | 1,725.62 |
| | 12,540,528.86 | 519,451.69 |
| LOCAL SYSTEMS: | | |
| Abitibi district..... | 91,967.77 | 3,525.21 |
| Timiskaming district..... | 697,238.35 | 39,679.50 |
| Nipissing district..... | 37,490.10 | 1,253.82 |
| Patricia district..... | 50,680.33 | 5,505.67 |
| Rainy River district..... | 31,905.24 | 362.33 |
| | 909,281.79 | 50,326.53 |
| OFFICE AND SERVICE BUILDINGS: | | |
| Timiskaming district..... | 152,841.06 | 3,126.73 |
| RURAL POWER DISTRICT: | | |
| Transformer station..... | 10,820.23 | |
| H-E.P.C. investment..... | 526,221.59 | 132,189.37 |
| Government grants..... | 453,247.92 | 131,023.02 |
| | 990,289.74 | 263,212.39 |
| | 54,107,019.71 | 1,151,914.12 |
| Less: Grants in aid of construction: | | |
| Province of Ontario for rural power district.. | 453,247.92 | 135,661.99 |
| | 53,653,771.79 | 1,016,252.13 |

* Includes revision of book values of assets acquired from Northern Ontario Power Company in 1945.

PROPERTIES

During Year Ended October 31, 1946

| *Adjustments | Retirements | | Balance at end of year |
|--------------|-------------------------------------------------------|------------------------------------------|---------------------------|
| | Values recovered (stores, sales and salvage) | Charged to reserves and operations | |
| \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 200.00 | 1,210.00 | 19,980,055.70 |
| 666,740.64 | 7,975.99 | ..... | 7,660,249.27 |
| ..... | ..... | 119.00 | 3,850,477.05 |
| 600.00 | 12.57 | 146.39 | 1,113,029.82 |
| 212.00 | ..... | 2.73 | 2,542,186.39 |
| 667,552.64 | 8,188.56 | 1,478.12 | 35,145,998.23 |
| ..... | ..... | 1,116.48 | 2,330,417.40 |
| 24,880.64 | 7.00 | 190.00 | 1,218,117.94 |
| 32.00 | 643.54 | 594.45 | 77,061.22 |
| 600.00 | ..... | 911.45 | 65,676.06 |
| 244.00 | ..... | 565.49 | 188,752.28 |
| 630.00 | ..... | 264.88 | 148,661.94 |
| 26,322.64 | 650.54 | 3,642.75 | 4,028,686.84 |
| 4,524.00 | 59.81 | 5,952.31 | 6,582,625.32 |
| 7,024.00 | 80.88 | ..... | 2,277,497.80 |
| ..... | ..... | 866.07 | 458,444.56 |
| 9,486.00 | 175.65 | 14,094.50 | 261,646.08 |
| ..... | ..... | ..... | 2,098,557.87 |
| 630.00 | ..... | ..... | 1,361,411.70 |
| 1,432.00 | 316.34 | 20,912.88 | 13,040,183.33 |
| ..... | ..... | ..... | 95,492.98 |
| 632,312.00 | 69.79 | 58.00 | 1,369,102.06 |
| ..... | ..... | ..... | 38,743.92 |
| ..... | ..... | ..... | 56,186.00 |
| ..... | ..... | ..... | 32,267.57 |
| 632,312.00 | 69.79 | 58.00 | 1,591,792.53 |
| 2,000.00 | ..... | ..... | 153,967.79 |
| ..... | ..... | ..... | 10,820.23 |
| 4,743.00 | 6.52 | 97.50 | 663,049.94 |
| 4,743.00 | 6.53 | 97.50 | 588,909.91 |
| 9,486.00 | 13.05 | 195.00 | 1,262,780.08 |
| ..... | 9,238.28 | 26,286.75 | 55,223,408.80 |
| ..... | ..... | ..... | 588,909.91 |
| ..... | 9,238.28 | 26,286.75 | 54,634,498.89 |
| ..... | Renewals..... | 5,700.25 | ..... |
| ..... | Contingencies..... | 20,285.73 | ..... |
| ..... | Operation..... | 300.77 | ..... |
| ..... | ..... | 26,286.75 | ..... |

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
in trust for the Province of Ontario

Renewals Reserve—October 31, 1946

| | | |
|-------------------------------------------------------------------------|--------------|-----------------------|
| Balance at November 1, 1945..... | | \$4,624,236.40 |
| Adjustment of provision for the year 1945..... | | 12,208.30 |
| | | <u>\$4,636,444.70</u> |
| Provision in the year..... | \$484,696.78 | |
| Adjustment in respect of equipment transferred during the year..... | 2,009.07 | |
| Interest at 4% on reserve balance..... | 185,457.79 | 672,163.64 |
| | | <u>\$5,308,608.34</u> |
| Less: | | |
| Expenditures in the year for renewals..... | \$2,685.62 | |
| Amount withdrawn in respect of assets removed from service, etc..... | 5,700.25 | 8,385.87 |
| | | <u>\$5,300,222.47</u> |

Contingencies and Obsolescence Reserve—October 31, 1946

| | | |
|-------------------------------------------------------------------------------|-------------|-----------------------|
| Balance at November 1, 1945..... | | \$3,315,100.61 |
| Adjustment of provision for the year 1945..... | | 6,252.02 |
| | | <u>\$3,321,352.63</u> |
| Interest at 4% on reserve balance..... | | 134,884.16 |
| | | <u>\$3,456,236.79</u> |
| Less: | | |
| Contingencies met with during the year..... | \$34,330.32 | |
| Excess of fixed asset retirements over accumulated renewals provision..... | 20,285.73 | 54,616.05 |
| | | <u>\$3,401,620.74</u> |

Sinking Fund Reserve—October 31, 1946

| | | |
|------------------------------------------------|----------------|------------------------|
| Balance at November 1, 1945..... | | \$13,480,355.00 |
| Adjustment of provision for the year 1945..... | | 19,495.26 |
| | | <u>\$13,499,850.26</u> |
| Provision in the year..... | \$1,559,352.05 | |
| Interest at 4% on reserve balance..... | 522,840.63 | 2,082,192.68 |
| | | <u>\$15,582,042.94</u> |

THE HAMILTON STREET RAILWAY COMPANY

(A wholly-owned Subsidiary of The Hydro-Electric Power Commission
of Ontario—Southern Ontario System)

FINANCIAL ACCOUNTS

For the period November 1, 1945 to September 15, 1946

Operating Statement

Note.— For statement respecting sale of shares of this Company see page xxii of introduction to this Report.

THE HAMILTON STREET RAILWAY COMPANY

(A wholly-owned subsidiary of the Hydro-Electric Power Commission
of Ontario—Southern Ontario System)

Statement of Operations for the Period November 1, 1945 to September 15, 1946

REVENUES:

| | |
|-----------------------|----------------|
| Transportation..... | \$2,135,483.12 |
| Other operations..... | 18,003.86 |

\$2,153,486.98

EXPENSES:

| | |
|-----------------------------------------|-------------|
| Maintenance of way and structures..... | \$69,382.22 |
| Maintenance of equipment..... | 280,954.28 |
| Electric power and motor fuel..... | 192,083.83 |
| Transportation expenses..... | 495,047.30 |
| General and miscellaneous expenses..... | 162,040.76 |
| Taxes (municipal and franchise)..... | 103,844.09 |

\$1,303,352.48

| | |
|------------------------------------------|-----------|
| Provision for depreciation of buses..... | 47,449.50 |
|------------------------------------------|-----------|

\$1,350,801.98

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| NET REVENUE FOR THE PERIOD NOVEMBER 1, 1945 TO SEPTEMBER 15, 1946— before providing for depreciation on properties and equipment other than buses..... | \$802,685.00 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|

Statement of Surplus for the Period November 1, 1945 to September 15, 1946

| | |
|-------------------------------------------------------------------------------|-------------|
| Balance at credit November 1, 1945..... | \$53,443.06 |
| Net revenue for period November 1, 1945 to September 15, 1946..... | 802,685.00 |
| Transferred from Insurance and Miscellaneous reserves no longer required..... | 143,617.78 |

\$999,745.84

Less:

Dividends paid to the Hydro-Electric Power Commission of
Ontario prior to the sale by the Commission, by tender,
of all of the company's shares on September 16, 1946,
allocated in the Commission's accounts as follows:

Ordinary dividend (equal to interest for the period on
the Commission's investment in the railway)..... \$78,993.52

Special dividend to distribute certain current assets of
the company as provided by the terms and condi-
tions of sale..... 697,620.96

\$776,614.48

Balance at the credit of surplus account of The Hamilton Street
Railway Company as at the date of the sale of all of the
company's shares by the Commission on September 16, 1946

\$223,131.36

SECTION X

MUNICIPAL ACCOUNTS

and

Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these Hydro utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1946 this standard method of accounting was installed in Bobcaygeon.

Periodical inspections are made of the books of all Hydro electrical utilities and local officials are assisted in the improvement of their office routine with a view of standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for the past eight years. Similar data for earlier years since 1913 were published in the Report for 1943. This consolidated statement combines

the balance sheets of all local municipal Hydro utilities receiving power under cost contracts. It is worth noting that the total plant value has increased from \$10,081,469.16 in 1913 to \$110,207,968.64 in 1946, and the total assets from \$11,907,826.86 to \$232,876,284.85. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$14,308,521.54 in 1946. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 5.6 per cent in 1946. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for the past eight years and combines the results from all local municipal Hydro utilities receiving power under cost contracts. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$3,435,-910.73 for 1946. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically. (Statement "C" suspended, see below.)

Statement "A" presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The total thus returned to customers during the year 1946 amounted in round figures to \$465,000.00.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 36.7 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$130,541,067.00, being equal to 118.4 per cent of the total plant cost.

Statement "B" shows the detailed operating report for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "cost of power supplied by H-E.P.C." in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.*

Of the 304 municipal electrical utilities included in this statement, 278 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$3,475,072.51 for the year; 23 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$38,233.32, in the case of 3 utilities the revenue was less than the total operating expenses, interest and debt retirement instalments by \$247.10.

Statement "C". Conditions respecting street lighting were not back to normal throughout 1946, the statement is therefore again omitted in this year's Report.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.† For further reference to this informative statement, consult the special introduction to it on page 320.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1946, for domestic service, for commercial light service and for power service.

*In 1939 and 1940 a number of municipalities asked permission to take power cost adjustments into the following year, to facilitate the earlier closing of their books. On this account, from 1941 on, with few exceptions the Balance Sheet shows the previous year's equity in Hydro Commission properties; and the Cost of Power in the Operating Statement includes the previous year's adjustments.

†The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

| Year..... | 1939 | 1940 | 1941 |
|----------------------------------------------|----------------|----------------|----------------|
| Number of municipalities included.... | 293 | 295 | 296 |
| ASSETS | | | |
| | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 11,030,623.50 | 11,218,258.69 | 11,488,173.96 |
| Substation equipment..... | 23,780,655.18 | 24,282,151.78 | 24,896,262.26 |
| Distribution system—overhead..... | 23,925,362.60 | 24,653,458.44 | 25,228,363.52 |
| Distribution system—underground..... | 6,202,371.87 | 6,214,957.69 | 6,391,399.25 |
| Line transformers..... | 10,855,346.75 | 11,030,643.29 | 11,817,440.89 |
| Meters..... | 9,838,600.98 | 9,927,971.40 | 10,644,655.81 |
| Street lighting equipment—regular..... | 2,798,171.62 | 2,879,996.65 | 2,940,055.38 |
| Street lighting equipment—ornamental..... | 1,518,035.24 | 1,534,320.08 | 1,540,369.82 |
| Miscellaneous construction expenses..... | 4,147,280.84 | 4,341,259.94 | 4,366,893.41 |
| Steam or hydraulic plant..... | 498,650.81 | 498,575.87 | 445,118.58 |
| Old plant..... | 4,894,655.59 | 1,332,606.12 | 1,329,860.41 |
| Total plant..... | 99,489,754.98 | 97,914,199.95 | 101,088,593.29 |
| Bank and cash balance..... | 3,107,087.65 | 4,462,197.18 | 2,991,173.27 |
| Securities and investments..... | 4,850,531.80 | 5,315,855.49 | 8,368,139.57 |
| Accounts receivable..... | 4,774,816.58 | 4,715,848.86 | 4,116,252.29 |
| Inventories..... | 1,496,275.62 | 1,630,987.28 | 1,984,025.53 |
| Sinking fund on local debentures..... | 11,032,594.44 | 5,829,573.87 | 5,530,647.79 |
| Equity in H-E.P.C. systems..... | 48,615,296.94 | 52,457,676.76 | 52,458,225.18 |
| Other assets..... | 156,520.39 | 258,395.70 | 226,034.26 |
| Total assets..... | 173,522,878.40 | 172,584,735.09 | 176,763,091.18 |
| LIABILITIES | | | |
| Debenture balance..... | 27,962,685.51 | 20,636,363.20 | 17,805,415.36 |
| Accounts payable..... | 3,100,565.26 | 3,095,613.25 | 3,088,145.27 |
| Bank overdraft..... | 180,064.81 | 187,038.91 | 302,744.63 |
| Other liabilities..... | 2,998,174.20 | 3,004,624.22 | 2,987,132.70 |
| Total liabilities..... | 34,241,489.78 | 26,923,638.58 | 24,183,437.96 |
| Reserves | | | |
| For equity in H-E.P.C. systems..... | 48,615,296.94 | 52,457,676.76 | 52,458,225.18 |
| For depreciation..... | 24,046,526.92 | 25,733,628.33 | 27,795,985.72 |
| Other reserves..... | 3,090,471.34 | 3,326,591.65 | 3,592,384.90 |
| Total reserves..... | 75,752,295.20 | 81,517,896.74 | 83,846,595.80 |
| SURPLUS | | | |
| Debentures paid..... | 32,866,660.82 | 37,245,922.84 | 39,943,340.75 |
| Local sinking fund..... | 11,032,594.44 | 5,829,573.87 | 5,530,647.79 |
| Operating surplus..... | 19,629,838.16 | 21,067,703.06 | 23,259,068.88 |
| Total surplus..... | 63,529,093.42 | 64,143,199.77 | 68,733,057.42 |
| Total liabilities, reserves and surplus..... | 173,522,878.40 | 172,584,735.09 | 176,763,091.18 |
| Percentage of net debt to total assets..... | 19.3 | 17.4 | 14.6 |

BALANCE SHEET

| 1942 | 1943 | 1944 | 1945 | 1946 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 297 | 298 | 298 | 304 | 304 |
| \$ c. 11,546,286.55 25,359,352.47 25,572,132.86 6,446,133.75 12,209,624.79 10,938,305.73 2,928,896.30 1,543,717.00 4,091,006.92 422,172.72 1,028,830.05 | \$ c. 11,664,887.81 25,392,202.96 25,773,224.22 6,451,393.47 12,353,367.17 11,117,612.15 2,903,704.11 1,542,294.82 3,740,027.08 397,576.71 936,561.90 | \$ c. 11,713,108.74 25,805,344.10 26,075,416.77 6,385,742.19 12,698,080.21 11,339,479.64 2,926,365.70 1,542,819.42 3,414,557.25 368,022.38 820,607.24 | \$ c. 11,879,469.56 26,201,620.92 26,835,864.78 6,539,797.63 13,360,997.73 11,742,720.68 3,066,246.06 1,551,628.63 3,469,256.69 1,005,980.83 692,517.55 | \$ c. 11,830,325.45 26,778,943.63 27,810,938.64 6,848,694.50 14,247,872.95 12,325,105.86 3,268,433.46 1,555,698.39 3,802,802.98 1,080,730.83 658,421.95 |
| 102,086,459.14 | 102,272,852.40 | 103,089,543.64 | 106,346,101.06 | 110,207,968.64 |
| 2,482,945.50 12,592,455.09 3,614,066.68 2,047,430.38 5,445,199.46 57,080,491.77 197,190.92 | 2,341,996.68 17,037,057.29 3,347,449.72 1,750,799.42 5,028,551.56 62,031,673.13 537,366.80 | 1,947,073.36 21,245,620.67 3,710,514.76 1,622,866.57 4,880,499.77 69,486,548.01 192,661.46 | 1,744,827.39 27,530,379.33 3,682,108.35 1,735,925.21 4,952,718.62 75,002,351.38 290,022.85 | 3,584,075.84 27,152,189.81 4,133,184.23 2,193,231.80 4,609,214.16 80,670,336.85 326,083.52 |
| 185,546,238.94 | 194,347,747.00 | 206,175,328.24 | 221,284,434.19 | 232,876,284.85 |
| 16,184,642.53 2,399,404.91 105,571.05 2,806,844.10 | 13,657,032.51 2,699,630.77 118,834.40 2,618,742.94 | 11,612,359.10 1,701,420.70 174,491.81 2,584,979.26 | 10,612,595.02 2,528,081.42 429,585.64 2,707,515.21 | 9,049,583.60 2,267,268.71 355,417.71 2,636,251.52 |
| 21,496,462.59 | 19,094,240.62 | 16,073,250.87 | 16,277,777.29 | 14,308,521.54 |
| 57,080,491.77 29,840,207.73 4,907,609.88 | 62,031,673.13 32,138,469.64 5,449,398.96 | 69,486,548.01 34,006,953.37 6,308,596.82 | 75,002,351.38 36,331,919.08 6,979,074.47 | 80,670,336.85 38,253,203.71 7,356,359.46 |
| 91,828,309.38 | 99,619,541.73 | 109,802,098.20 | 118,313,344.93 | 126,279,900.02 |
| 41,183,741.27 5,445,199.46 25,592,526.24 | 43,552,091.22 5,028,551.56 27,053,321.87 | 45,475,788.84 4,880,499.77 29,943,690.56 | 47,340,018.06 4,952,718.62 34,400,575.29 | 48,935,858.04 4,609,214.16 38,742,791.09 |
| 72,221,466.97 | 75,633,964.65 | 80,299,979.17 | 86,693,311.97 | 92,287,863.29 |
| 185,546,238.94 | 194,347,747.00 | 206,175,328.24 | 221,284,434.19 | 232,876,284.85 |
| 11.9 | 10.0 | 7.4 | 7.0 | 5.6 |

CONSOLIDATED

| YEAR..... | 1939 | 1940 | 1941 |
|--------------------------------------------------------|---------------|---------------|---------------|
| Number of municipalities included..... | 293 | 295 | 296 |
| EARNINGS | \$ c. | \$ c. | |
| Domestic service..... | 13,038,748.37 | 13,705,710.79 | 14,287,828.19 |
| Commercial light service..... | 7,077,144.74 | 7,642,679.90 | 7,885,693.81 |
| Commercial power service..... | 10,957,719.66 | 12,458,439.08 | 14,591,053.03 |
| Municipal power..... | 1,760,977.25 | 1,741,235.23 | 1,832,379.38 |
| Street lighting..... | 1,831,090.33 | 1,842,443.63 | 1,880,560.01 |
| Merchandise..... | 28,874.86 | 56,818.83 | 58,695.51 |
| Miscellaneous..... | 595,235.49 | 577,959.98 | 526,771.53 |
| Total earnings..... | 35,289,790.70 | 38,025,287.44 | 41,062,981.46 |
| EXPENSES | | | |
| Cost of power supplied by H-E.P.C.... | 21,855,595.20 | 23,756,863.14 | 26,017,260.84 |
| Substation operation..... | 516,987.25 | 544,234.10 | 552,820.54 |
| Substation maintenance..... | 377,013.25 | 322,375.73 | 316,677.27 |
| Distribution system, operation and maintenance..... | 943,859.59 | 930,055.53 | 993,886.44 |
| Line transformer maintenance..... | 95,577.72 | 101,617.16 | 114,304.18 |
| Meter maintenance..... | 386,145.71 | 372,562.74 | 409,252.72 |
| Consumers' premises expenses..... | 488,980.55 | 568,135.41 | 604,642.97 |
| Street lighting, operation and maintenance..... | 384,071.55 | 366,911.70 | 379,905.55 |
| Promotion of business..... | 317,467.64 | 293,022.17 | 262,910.03 |
| Billing and collecting..... | 1,008,065.66 | 1,020,648.93 | 1,074,173.90 |
| General office, salaries and expenses.... | 966,550.98 | 960,065.70 | 1,053,367.83 |
| Undistributed expense..... | 463,456.65 | 555,414.26 | 480,317.80 |
| Truck operation and maintenance..... | 80,263.46 | 79,848.64 | 93,032.89 |
| Interest..... | 1,594,040.32 | 1,464,381.29 | 1,027,985.34 |
| Sinking fund and principal payments on debentures..... | 2,420,441.30 | 2,389,723.60 | 2,248,937.42 |
| Total expenses..... | 31,898,516.83 | 33,725,860.10 | 35,629,475.72 |
| Surplus..... | 3,391,273.87 | 4,299,427.34 | 5,433,505.74 |
| Depreciation and other reserves..... | 2,524,364.33 | 2,644,127.10 | 2,933,730.99 |
| Surplus less depreciation..... | 866,909.54 | 1,655,300.24 | 2,499,774.75 |

OPERATING REPORT

| 1942 | 1943 | 1944 | 1945 | 1946 |
|----------------|----------------|----------------|----------------|-------------------------|
| 297 | 298 | 298 | 304 | 304 |
| 14,874,937. 14 | 14,933,681. 48 | 15,371,752. 19 | 15,543,145. 28 | \$ c. 16,852,308. 83 |
| 7,604,860. 27 | 6,713,348. 61 | 7,219,403. 43 | 8,150,923. 90 | 8,979,037. 16 |
| 15,433,320. 91 | 15,687,273. 31 | 16,222,143. 48 | 15,544,685. 89 | 15,707,154. 73 |
| 2,026,826. 92 | 2,031,027. 12 | 2,111,454. 22 | 2,134,062. 24 | 2,161,079. 81 |
| 1,820,216. 28 | 1,686,149. 29 | 1,729,320. 48 | 1,922,281. 13 | 1,975,024. 68 |
| 50,276. 58 | 31,300. 28 | 35,378. 31 | 65,590. 57 | 179,252. 65 |
| 680,825. 29 | 782,170. 04 | 897,433. 28 | 1,097,719. 02 | 1,210,440. 76 |
| 42,491,263. 39 | 41,864,950. 13 | 43,586,885. 39 | 44,457,808. 03 | 47,064,298. 62 |
| 26,459,900. 78 | 26,587,877. 32 | 26,937,460. 31 | 26,633,166. 70 | 29,131,997. 88 |
| 581,259. 02 | 612,227. 01 | 611,878. 05 | 654,305. 46 | 753,931. 65 |
| 361,643. 95 | 370,797. 74 | 419,983. 12 | 423,473. 57 | 444,276. 75 |
| 1,087,818. 81 | 1,143,720. 84 | 1,147,646. 14 | 1,243,381. 36 | 1,404,441. 08 |
| 133,888. 95 | 145,094. 88 | 145,701. 29 | 155,240. 82 | 168,429. 61 |
| 440,877. 18 | 443,307. 27 | 445,437. 44 | 470,203. 18 | 528,810. 47 |
| 513,565. 10 | 527,810. 36 | 513,953. 14 | 581,603. 20 | 699,773. 37 |
| 397,614. 93 | 380,405. 50 | 445,945. 93 | 487,565. 20 | 493,443. 23 |
| 193,692. 33 | 171,894. 14 | 156,566. 54 | 171,063. 89 | 183,606. 79 |
| 1,171,345. 63 | 1,226,185. 63 | 1,264,759. 35 | 1,305,542. 48 | 1,428,246. 45 |
| 1,067,535. 39 | 1,117,334. 29 | 1,139,174. 46 | 1,201,915. 79 | 1,319,972. 30 |
| 553,599. 71 | 510,448. 34 | 522,204. 17 | 640,831. 75 | 831,176. 06 |
| 99,379. 20 | 94,830. 33 | 104,222. 84 | 123,720. 21 | 147,458. 42 |
| 973,383. 83 | 844,161. 48 | 707,925. 20 | 710,300. 94 | 525,588. 16 |
| 2,006,148. 29 | 1,871,119. 81 | 1,564,537. 45 | 1,255,825. 57 | 1,239,108. 29 |
| 36,041,653. 10 | 36,047,214. 94 | 36,127,395. 43 | 36,058,140. 12 | 39,300,260. 51 |
| 6,449,610. 29 | 5,817,735. 19 | 7,459,489. 96 | 8,399,667. 91 | 7,764,038. 11 |
| 3,586,198. 82 | 3,867,107. 58 | 3,521,114. 82 | 3,953,728. 83 | 4,328,127. 38 |
| 2,863,411. 47 | 1,950,627. 61 | 3,938,375. 14 | 4,445,939. 08 | 3,435,910. 73 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM

| Municipality..... | Acton | Agincourt | Ailsa Craig | Alexandria | Alliston |
|------------------------------------------|------------|-----------|-------------|------------|------------|
| Population..... | 1,976 | P.V. | 395 | 1,904 | 1,528 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 1,627.38 | | | 202.00 | |
| Substation equipment..... | 2,318.36 | | | | 675.73 |
| Distribution system—overhead.... | 28,947.92 | 10,728.28 | 7,970.21 | 29,090.66 | 33,892.96 |
| Distribution system—underground. | | | | | |
| Line transformers..... | 18,489.97 | 7,117.18 | 3,814.67 | 10,604.60 | 14,157.87 |
| Meters..... | 14,549.45 | 4,056.65 | 2,975.88 | 9,772.76 | 11,483.20 |
| Street light equipment, regular.... | 2,631.85 | 1,073.49 | 457.58 | 2,251.57 | 1,962.51 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 2,964.30 | 152.60 | 492.36 | 5,549.70 | 2,678.80 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | 4,466.89 | 7,846.49 |
| Total plant..... | 71,529.23 | 23,128.20 | 15,710.70 | 61,938.18 | 72,697.56 |
| Bank and cash balance..... | 40.00 | 2,754.40 | 1,617.60 | 2,850.44 | 65.45 |
| Securities and investments..... | 20,000.00 | 14,000.00 | 9,500.00 | 33,000.00 | 13,500.00 |
| Accounts receivable..... | 1,756.49 | 135.91 | 787.11 | 3,241.27 | 293.16 |
| Inventories..... | 1,184.54 | | | | 19.05 |
| Sinking fund on local debentures.. | | | | | |
| Equity in H-E.P.C. systems..... | 108,576.51 | 17,095.45 | 21,677.45 | 42,065.95 | 36,024.42 |
| Other assets..... | 1.04 | | | | |
| Total assets..... | 203,087.81 | 57,113.96 | 49,292.86 | 143,095.84 | 122,599.64 |
| LIABILITIES | | | | | |
| Debenture balance..... | | | | | 2,300.82 |
| Accounts payable..... | 270.68 | 543.62 | 354.79 | 6.80 | 104.65 |
| Bank overdraft..... | 317.01 | | | | |
| Other liabilities..... | 1,296.70 | | 110.00 | 1,221.48 | 399.00 |
| Total liabilities..... | 1,884.39 | 543.62 | 464.79 | 1,228.28 | 2,804.47 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 108,576.51 | 17,095.45 | 21,677.45 | 42,065.95 | 36,024.42 |
| For depreciation..... | 15,683.38 | 5,915.08 | 9,010.48 | 26,334.63 | 18,579.62 |
| Other reserves..... | 2,200.00 | 1,542.90 | | 1,878.23 | 7,832.51 |
| Total reserves..... | 126,459.89 | 24,553.43 | 30,687.93 | 70,278.81 | 62,436.55 |
| SURPLUS | | | | | |
| Debentures paid..... | 14,500.00 | 8,072.65 | 6,883.38 | 48,133.84 | 37,699.18 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 60,243.53 | 23,944.26 | 11,256.76 | 23,454.91 | 19,659.44 |
| Total surplus..... | 74,743.53 | 32,016.91 | 18,140.14 | 71,588.75 | 57,358.62 |
| Total liabilities, reserves and surplus. | 203,087.81 | 57,113.96 | 49,292.86 | 143,095.84 | 122,599.64 |
| Percentage of net debt to total assets. | 2.0 | 1.3 | 1.7 | 1.2 | 3.2 |

“A”

Hydro Municipalities as at December 31, 1946

| Almonte | Alvinston | Amherstburg | Ancaster Twp. V.A. | Apple Hill P.V. | Arkona | Arnprior |
|------------|-----------|-------------|--------------------------|--------------------|-----------|------------|
| 2,250 | 611 | 2,826 | | | 374 | 4,010 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 10,037.25 | 1,933.56 | | 243.56 | 169.06 | | 8,000.00 |
| 23,364.86 | | | | | | |
| 34,749.15 | 17,091.34 | 44,351.24 | 24,411.47 | 3,009.09 | 10,339.49 | 30,219.29 |
| | | | | | | |
| 17,740.80 | 3,801.25 | 27,408.47 | 16,992.90 | 1,723.37 | 3,521.48 | 16,363.06 |
| 12,803.91 | 4,383.83 | 18,801.51 | 7,711.47 | 1,439.24 | 2,515.05 | 16,978.33 |
| 6,179.04 | 1,301.74 | 2,132.57 | 1,547.72 | 421.12 | 750.31 | 6,119.35 |
| | | 5,598.72 | | | | |
| 1,588.80 | 975.66 | 4,836.05 | 2,773.66 | 218.18 | 240.35 | 97.19 |
| 105,153.80 | | | | | | |
| | | | | 709.55 | 1,030.30 | |
| | | | | | | |
| 211,617.61 | 29,487.38 | 103,128.56 | 53,680.78 | 7,689.61 | 18,396.98 | 77,777.22 |
| | | | | | | |
| 2,199.16 | 454.00 | 2,230.08 | 713.14 | 2,076.97 | 370.13 | 25.00 |
| 8,450.00 | 11,000.00 | 37,850.00 | 6,000.00 | 4,000.00 | 4,000.00 | 39,000.00 |
| 2,160.25 | 320.69 | 1,162.05 | 1,400.59 | 254.83 | 28.61 | 588.84 |
| 3,939.17 | | | 456.00 | | | 6,172.67 |
| | | | | | | |
| 576.46 | 21,585.92 | 82,598.43 | 26,821.13 | 4,844.51 | 9,298.81 | 17,413.36 |
| | | 20.83 | 34.89 | | | |
| | | | | | | |
| 228,942.65 | 62,847.99 | 226,989.95 | 89,106.53 | 18,865.92 | 32,094.53 | 140,977.09 |
| | | | | | | |
| 28,024.10 | | | 3,301.06 | | | 13,731.84 |
| 10,106.57 | | 297.96 | 4,770.24 | 87.24 | | 4,645.35 |
| | | | | | | 6,641.74 |
| 439.52 | 55.00 | 6,898.64 | 273.35 | | 28.00 | 2,061.48 |
| | | | | | | |
| 38,624.19 | 55.00 | 7,196.60 | 8,344.65 | 87.24 | 28.00 | 27,080.41 |
| | | | | | | |
| 576.46 | 21,585.92 | 82,598.43 | 26,821.13 | 4,844.51 | 9,298.81 | 17,413.36 |
| 41,698.97 | 12,261.65 | 33,593.09 | 13,916.24 | 3,449.31 | 5,414.27 | 9,747.24 |
| | 59.50 | 10,513.56 | 38.69 | | | 10,000.00 |
| | | | | | | |
| 42,275.43 | 33,907.07 | 126,705.08 | 40,776.06 | 8,293.82 | 14,713.08 | 37,160.60 |
| | | | | | | |
| 43,975.90 | 23,529.24 | 32,053.60 | 10,809.22 | 6,000.00 | 13,112.83 | 41,737.29 |
| | | | | | | |
| 104,067.13 | 5,356.68 | 61,034.67 | 29,176.60 | 4,484.86 | 4,240.62 | 34,998.79 |
| | | | | | | |
| 148,043.03 | 28,885.92 | 93,088.27 | 39,985.82 | 10,484.86 | 17,353.45 | 76,736.08 |
| | | | | | | |
| 228,942.65 | 62,847.99 | 226,989.95 | 89,106.53 | 18,865.92 | 32,094.53 | 140,977.09 |
| | | | | | | |
| 18.3 | 0.1 | 1.2 | 13.3 | 0.6 | 0.1 | 21.9 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Arthur | Athens | Aurora | Aylmer | Ayr |
|----------------------------------------------|-----------|-----------|------------|------------|-----------|
| Population..... | 922 | 714 | 3,004 | 2,475 | 718 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | 1,000.00 | 11,147.41 | 125.00 |
| Substation equipment..... | | | 1,491.05 | | |
| Distribution system—overhead..... | 18,768.67 | 14,510.07 | 28,883.18 | 33,549.48 | 13,266.05 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 5,833.24 | 2,800.57 | 27,390.26 | 27,995.47 | 7,483.72 |
| Meters..... | 5,154.09 | 3,524.75 | 17,104.23 | 17,022.17 | 4,792.23 |
| Street light equipment, regular..... | 2,037.78 | 698.90 | 6,320.60 | 5,716.84 | 1,162.14 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 439.31 | 1,153.85 | 591.25 | 1,763.21 | 822.49 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 1,086.62 | | | 6,469.47 | 4,002.53 |
| Total plant..... | 33,319.71 | 22,688.14 | 82,780.57 | 103,664.05 | 31,654.16 |
| Bank and cash balance..... | | 503.74 | 30.00 | 276.98 | 1,132.85 |
| Securities and investments..... | 9,500.00 | 7,500.00 | 12,000.00 | 12,000.00 | 3,500.00 |
| Accounts receivable..... | 59.58 | 102.28 | 992.54 | 2,252.01 | 532.66 |
| Inventories..... | | | | 168.72 | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 27,694.82 | 9,784.72 | 9,302.04 | 66,526.27 | 22,255.15 |
| Other assets..... | | | | | |
| Total assets..... | 70,574.11 | 40,578.88 | 105,105.15 | 184,888.03 | 59,074.82 |
| LIABILITIES | | | | | |
| Debenture balance..... | 3,326.19 | 2,162.94 | | 1,586.69 | 1,092.60 |
| Accounts payable..... | 109.29 | 122.96 | 81.57 | 662.73 | 91.03 |
| Bank overdraft..... | 710.14 | | 193.21 | | |
| Other liabilities..... | 395.00 | | 710.00 | 954.66 | 33.64 |
| Total liabilities..... | 4,540.62 | 2,285.90 | 984.78 | 3,204.08 | 1,217.27 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 27,694.82 | 9,784.72 | 9,302.04 | 66,526.27 | 22,255.15 |
| For depreciation..... | 22,073.47 | 7,294.83 | 36,068.31 | 26,071.60 | 8,841.78 |
| Other reserves..... | | 206.06 | | 9,578.99 | 517.29 |
| Total reserves..... | 49,768.29 | 17,285.61 | 45,370.35 | 102,176.86 | 31,614.22 |
| SURPLUS | | | | | |
| Debentures paid..... | 21,673.81 | 11,837.06 | | 37,115.23 | 16,410.78 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | *5,408.61 | 9,170.31 | 58,750.02 | 42,391.86 | 9,832.55 |
| Total surplus..... | 16,265.20 | 21,007.37 | 58,750.02 | 79,507.09 | 26,243.33 |
| Total liabilities, reserves and surplus..... | 70,574.11 | 40,578.88 | 105,105.15 | 184,888.03 | 59,074.82 |
| Percentage of net debt to total assets..... | 11.0 | 7.4 | 1.0 | 2.7 | 3.3 |

* Deficit

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Baden | Barrie | Bath | Beachville | Beamsville | Beaverton | Beeton |
|-----------|------------|-----------|------------|------------|-----------|-----------|
| P.V. | 10,583 | 323 | P.V. | 1,338 | 842 | 507 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 660.64 | 17,696.57 | | 176.13 | | 499.50 | |
| 10,388.39 | 18,989.07 | | | | | 428.50 |
| | 83,548.34 | 7,913.21 | 16,094.84 | 19,134.75 | 24,945.95 | 12,115.65 |
| | 66,582.89 | | | | | |
| 7,122.60 | 57,455.10 | 1,694.15 | 4,841.14 | 12,583.23 | 10,246.04 | 1,994.14 |
| 4,867.25 | 64,367.00 | 1,276.34 | 4,087.94 | 8,906.36 | 7,601.83 | 2,761.61 |
| 748.17 | 13,470.36 | 635.44 | 444.23 | 2,892.74 | 1,339.09 | 1,272.52 |
| | | | | | | |
| 22.38 | 1,600.00 | 727.38 | 83.79 | | 2,160.66 | 1,413.84 |
| | | | | | | |
| | | | | | | |
| 23,809.43 | 323,709.33 | 12,246.52 | 25,728.07 | 43,517.08 | 46,793.07 | 19,986.26 |
| | | | | | | |
| 2,191.83 | | 602.42 | 3,897.63 | 2,328.98 | 1,502.75 | 912.24 |
| 6,500.00 | 105,600.00 | | 17,500.00 | 16,000.00 | 7,200.00 | 11,500.00 |
| 1,395.61 | 4,290.91 | 103.90 | 1,592.13 | 190.21 | 62.73 | 33.68 |
| 108.04 | 7,922.57 | | | | | |
| | | | | | | |
| 47,251.55 | 239,496.99 | 3,368.02 | 61,477.02 | 10,669.19 | 29,487.82 | 22,249.52 |
| | 77,375.52 | | | | | |
| | | | | | | |
| 81,256.46 | 758,395.32 | 16,320.86 | 110,194.85 | 72,705.46 | 85,046.37 | 54,681.70 |
| | | | | | | |
| | | 3,135.18 | | | | 1,814.36 |
| | 755.59 | | 240.36 | 437.37 | 261.35 | 171.14 |
| | 23,979.40 | | | | | |
| 10.00 | 5,639.54 | 130.00 | | 801.70 | 682.67 | 115.00 |
| | | | | | | |
| 10.00 | 30,374.53 | 3,265.18 | 240.36 | 1,239.07 | 944.02 | 2,100.50 |
| | | | | | | |
| 47,251.55 | 239,496.99 | 3,368.02 | 61,477.02 | 10,669.19 | 29,487.82 | 22,249.52 |
| 4,887.17 | 155,883.66 | 3,226.67 | 11,027.16 | 11,196.25 | 20,900.94 | 11,818.57 |
| 1,000.00 | 39,169.82 | | | | 400.00 | 1,590.68 |
| | | | | | | |
| 53,138.72 | 434,550.47 | 6,594.69 | 72,504.18 | 21,865.44 | 50,788.76 | 35,658.77 |
| | | | | | | |
| 5,000.00 | 65,365.68 | 4,364.82 | 5,536.66 | 37,500.00 | 15,000.00 | 13,185.64 |
| | | | | | | |
| 23,107.74 | 228,104.64 | 2,096.17 | 31,913.65 | 12,100.95 | 18,313.59 | 3,736.79 |
| | | | | | | |
| 28,107.74 | 293,470.32 | 6,460.99 | 37,450.31 | 49,600.95 | 33,313.59 | 16,922.43 |
| | | | | | | |
| 81,256.46 | 758,395.32 | 16,320.86 | 110,194.85 | 72,705.46 | 85,046.37 | 54,681.70 |
| | | | | | | |
| 0.0 | 5.9 | 25.1 | 0.5 | 2.0 | 1.7 | 6.5 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Belle River | Belleville | Blenheim | Bloomfield | Blyth |
|----------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population..... | 845 | 15,967 | 1,873 | 624 | 632 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 204.20 | 44,154.10 | 14,465.35 | | |
| Substation equipment..... | | 90,442.46 | 1,264.64 | | |
| Distribution system—overhead..... | 23,258.56 | 144,565.88 | 40,022.28 | 11,308.84 | 12,244.91 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 8,599.18 | 55,798.05 | 20,481.52 | 2,125.82 | 3,696.51 |
| Meters..... | 6,455.23 | 79,648.68 | 14,813.09 | 3,556.45 | 3,420.75 |
| Street light equipment, regular..... | 1,851.52 | 24,309.93 | 3,962.35 | 1,040.99 | 1,554.68 |
| Street light equipment, ornamental..... | | | 1,482.97 | | |
| Miscellaneous construction expense..... | 270.62 | 17,998.88 | 907.66 | 1,403.42 | 254.59 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | | |
| Total plant..... | 40,639.31 | 456,917.98 | 97,399.86 | 19,435.52 | 21,171.44 |
| Bank and cash balance..... | 526.83 | 15,064.87 | 25.00 | 2,181.90 | 637.37 |
| Securities and investments..... | 3,000.00 | 105,000.00 | 4,000.00 | 12,100.00 | 10,000.00 |
| Accounts receivable..... | 232.51 | 18,248.04 | 3,698.32 | 14.55 | 401.07 |
| Inventories..... | | 16,061.06 | 884.82 | | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 16,082.00 | 281,704.20 | 55,791.56 | 9,620.90 | 14,873.86 |
| Other assets..... | 15.50 | | | | |
| Total assets..... | 60,496.15 | 892,996.15 | 161,799.56 | 43,352.87 | 47,083.74 |
| LIABILITIES | | | | | |
| Debenture balance..... | | | | 1,065.56 | |
| Accounts payable..... | 219.06 | | 5,624.22 | 60.44 | 1,344.90 |
| Bank overdraft..... | | | 453.75 | | |
| Other liabilities..... | 200.00 | 13,224.75 | 1,842.97 | 141.00 | 198.20 |
| Total liabilities..... | 419.06 | 13,224.75 | 7,920.94 | 1,267.00 | 1,543.10 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 16,082.00 | 281,704.20 | 55,791.56 | 9,620.90 | 14,873.86 |
| For depreciation..... | 12,536.16 | 98,415.21 | 28,748.50 | 8,927.16 | 8,417.06 |
| Other reserves..... | 1,100.00 | 18,102.91 | 7,251.31 | | |
| Total reserves..... | 29,718.16 | 398,222.32 | 91,791.37 | 18,548.06 | 23,290.92 |
| SURPLUS | | | | | |
| Debentures paid..... | 8,500.00 | 176,000.00 | 14,000.00 | 10,134.44 | 16,032.52 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 21,858.93 | 305,549.08 | 48,087.25 | 13,403.37 | 6,217.20 |
| Total surplus..... | 30,358.93 | 481,549.08 | 62,087.25 | 23,537.81 | 22,249.72 |
| Total liabilities, reserves and surplus..... | 60,496.15 | 892,996.15 | 161,799.56 | 43,352.87 | 47,083.74 |
| Percentage of net debt to total assets..... | 0.9 | 2.1 | 6.2 | 3.8 | 4.8 |

“A”—Continued

Hydro Municipalities as at December 31. 1946

| Bobcaygeon | Bolton | Bothwell | Bowmanville | Bradford | Braeside | Brampton |
|-----------------|-----------|-----------|-------------|-----------|----------|------------|
| 977 | 621 | 574 | 3,847 | 1,075 | 405 | 6,157 |
| \$ c. 740.00 | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 26,780.59 | 12,240.97 | 8,157.91 | 52,223.04 | 27,161.32 | 3,294.00 | 59,735.08 |
| 7,359.50 | 7,196.65 | 3,629.58 | 15,191.69 | 10,840.65 | 1,661.85 | 48,300.72 |
| 7,657.77 | 4,767.52 | 4,160.91 | 25,780.41 | 8,138.33 | 1,716.46 | 37,594.68 |
| 4,917.96 | 887.89 | 4,383.40 | 8,577.98 | 842.68 | 62.94 | 12,334.99 |
| 320.00 | 1,349.56 | 1,131.22 | 5,171.02 | 2,138.48 | | 4,365.60 |
| 75,000.00 | 1,554.60 | 826.63 | | | | |
| 122,775.82 | 27,997.19 | 22,289.65 | 143,524.10 | 49,509.96 | 6,735.25 | 203,513.22 |
| | 1,504.53 | 917.93 | 22,219.98 | 546.18 | 742.72 | 1,365.14 |
| | 12,000.00 | 13,000.00 | 100,000.00 | 7,800.00 | | 61,500.00 |
| 443.44 | 77.74 | 39.89 | 5,482.01 | 461.33 | 1,245.96 | 315.83 |
| 2,331.62 | | | 7,601.00 | | | 182.59 |
| | 25,449.49 | 24,100.93 | 105,562.03 | 26,526.94 | 424.08 | 252,620.68 |
| | | | | | | 62.12 |
| 125,550.88 | 67,028.95 | 60,348.40 | 384,389.12 | 84,844.41 | 9,148.01 | 519,559.58 |
| 44,887.10 | | | | 2,650.83 | 5,588.94 | |
| 459.29 | 78.72 | 205.59 | 497.87 | 30.88 | 675.14 | 548.42 |
| 279.52 | | | | | | |
| | 176.89 | 1,242.17 | 1,833.32 | 726.81 | 115.00 | 1,790.00 |
| 45,625.91 | 255.61 | 1,447.76 | 2,331.19 | 3,408.52 | 6,379.08 | 2,338.42 |
| | | | | | | |
| | 25,449.49 | 24,100.93 | 105,562.03 | 26,526.94 | 424.08 | 252,620.68 |
| 31,596.26 | 10,067.93 | 10,457.43 | 27,015.65 | 16,586.49 | 253.00 | 90,077.08 |
| | | 15.13 | | 2,629.88 | | 25,150.00 |
| 31,596.26 | 35,517.42 | 34,573.49 | 132,577.68 | 45,743.31 | 677.08 | 367,847.76 |
| | | | | | | |
| 45,112.90 | 12,500.00 | 5,534.19 | 71,000.00 | 22,549.17 | 411.06 | 69,050.64 |
| 3,215.81 | 18,755.92 | 18,792.96 | 178,480.25 | 13,143.41 | 1,680.79 | 80,322.76 |
| 48,328.71 | 31,255.92 | 24,327.15 | 249,480.25 | 35,692.58 | 2,091.85 | 149,373.40 |
| 125,550.88 | 67,028.95 | 60,348.40 | 384,389.12 | 84,844.41 | 9,148.01 | 519,559.58 |
| 36.3 | 0.6 | 1.3 | 0.8 | 5.8 | 73.1 | 0.9 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Brantford | Brantford Twp. V.A. | Brechin | Brigdeport | Brigden |
|----------------------------------------------|--------------|---------------------------|-----------|------------|-----------|
| Population..... | 34,267 | | P.V. | P.V. | P.V. |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 115,895.50 | 538.06 | | | 1,482.03 |
| Substation equipment..... | 271,065.03 | 17,344.90 | | | |
| Distribution system—overhead..... | 259,902.55 | 114,399.38 | 2,135.59 | 11,024.26 | 9,364.48 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 232,980.33 | 35,709.21 | 1,495.73 | 4,294.28 | 3,818.17 |
| Meters..... | 176,591.03 | 32,797.28 | 849.42 | 3,903.36 | 2,746.84 |
| Street light equipment, regular..... | 31,601.17 | 8,434.36 | 248.55 | 1,737.82 | 509.23 |
| Street light equipment, ornamental..... | 37,500.00 | | | | |
| Miscellaneous construction expense..... | 19,981.24 | 9,813.16 | 546.92 | 617.14 | 1,023.74 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 32,400.00 | | | | |
| Total plant..... | 1,177,916.85 | 219,036.35 | 5,276.21 | 21,576.86 | 18,944.49 |
| Bank and cash balance..... | 572.92 | 238.77 | 2,968.55 | 931.39 | 1,156.70 |
| Securities and investments..... | 228,500.00 | 3,000.00 | 500.00 | 6,000.00 | 7,800.00 |
| Accounts receivable..... | 23,951.65 | 931.97 | 152.70 | 221.95 | 33.06 |
| Inventories..... | 29,936.85 | 4,643.54 | | | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 1,397,841.42 | 56,942.63 | 10,492.16 | 10,167.76 | 16,688.68 |
| Other assets..... | 81.33 | | | | |
| Total assets..... | 2,858,801.02 | 284,793.26 | 19,389.62 | 38,897.96 | 44,622.93 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 57,878.34 | 377.46 | 1,146.32 | |
| Accounts payable..... | 5,001.30 | 433.88 | 292.18 | 288.06 | |
| Bank overdraft..... | | 9,679.13 | | | |
| Other liabilities..... | 65,478.85 | 1,809.40 | 52.85 | 260.00 | 5.00 |
| Total liabilities..... | 70,480.15 | 69,800.75 | 722.49 | 1,694.38 | 5.00 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 1,397,841.42 | 56,942.63 | 10,492.16 | 10,167.76 | 16,688.68 |
| For depreciation..... | 501,041.68 | 50,726.28 | 2,576.69 | 8,935.14 | 7,121.07 |
| Other reserves..... | 47,763.48 | 104.82 | 8.49 | | 97.24 |
| Total reserves..... | 1,946,646.58 | 107,773.73 | 13,077.34 | 19,102.90 | 23,906.99 |
| SURPLUS | | | | | |
| Debentures paid..... | 530,000.00 | 59,247.32 | 2,833.46 | 11,221.71 | 8,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 311,674.29 | 47,971.46 | 2,756.33 | 6,878.97 | 12,710.94 |
| Total surplus..... | 841,674.29 | 107,218.78 | 5,589.79 | 18,100.68 | 20,710.94 |
| Total liabilities, reserves and surplus..... | 2,858,801.02 | 284,793.26 | 19,389.62 | 38,897.96 | 44,622.93 |
| Percentage of net debt to total assets..... | 2.3 | 30.6 | 8.1 | 5.9 | 0.0 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Brighton 1,726 | Brockville 11,077 | Brussels 748 | Burford P.V. | Burgessville P.V. | Burlington 4,347 | Caledonia 1,435 |
|-------------------|-------------------------|--------------------|--------------------|----------------------|-----------------------|--------------------|
| \$ c. 600.00 | \$ c. 45,591.03 | \$ c. | \$ c. 202.00 | \$ c. | \$ c. 16,973.15 | \$ c. 656.01 |
| 21,698.32 | 39,212.30 105,586.42 | 15,650.85 | 10,281.19 | 3,968.02 | 3,900.00 93,413.65 | 22,767.11 |
| 9,100.72 | 61,459.30 | 5,715.44 | 8,025.98 | 3,355.19 | 36,527.08 | 11,982.65 |
| 10,434.29 | 58,580.32 | 5,482.74 | 4,980.47 | 1,648.78 | 24,494.08 | 10,488.41 |
| 1,305.85 | 28,421.12 | 1,707.79 | 481.50 | 261.02 | 5,231.27 | 2,487.78 |
| 475.23 | 1,811.29 | 1,537.56 | 75.49 | ..... | 7,483.77 | 1,158.00 |
| | | | | | | |
| 43,614.41 | 340,661.78 | 30,094.38 | 24,046.63 | 9,233.01 | 188,023.00 | 49,539.96 |
| 25.00 | 73,278.16 | 2,617.95 | ..... | 422.35 | 18,818.64 | 50.00 |
| 19,000.00 | 70,000.00 | 14,000.00 | 7,000.00 | 2,800.00 | 7,500.00 | 1,200.00 |
| 4,019.98 | 2,339.95 | 268.76 | 168.24 | 169.12 | 1,416.53 | 86.56 |
| 5,249.83 | 8,142.93 | ..... | ..... | ..... | ..... | 2,456.12 |
| 18,879.41 | 262,853.15 | 19,248.10 | 20,463.41 | 7,627.36 | 3,111.84 | 33,809.83 |
| 15.18 | 326.75 | 0.25 | ..... | ..... | *38,002.12 | ..... |
| 90,803.81 | 757,602.72 | 66,229.44 | 51,678.28 | 20,251.84 | 256,872.13 | 87,142.47 |
| 1,779.14 | ..... | ..... | ..... | ..... | 143,985.70 | ..... |
| 106.52 | 1,796.69 | ..... | 50.43 | 80.31 | 2,438.28 | 101.89 |
| 4,316.06 | ..... | ..... | 298.49 | ..... | ..... | 528.49 |
| 1,111.39 | 3,434.81 | 115.28 | 103.30 | 20.00 | 3,083.13 | 427.19 |
| 7,313.11 | 5,231.50 | 115.28 | 452.22 | 100.31 | 149,507.11 | 1,057.57 |
| 18,879.41 | 262,853.15 | 19,248.10 | 20,463.41 | 7,627.36 | 3,111.84 | 33,809.83 |
| 9,646.27 | 119,706.45 | 11,711.90 | 6,108.99 | 4,867.19 | 23,462.50 | 7,455.18 |
| 4,224.23 | 13,927.27 | ..... | 1,000.00 | ..... | 38,002.12 | ..... |
| 32,749.91 | 396,486.87 | 30,960.00 | 27,572.40 | 12,494.55 | 64,576.46 | 41,265.01 |
| 23,220.86 | 226,657.54 | 21,000.00 | 9,000.00 | 3,500.00 | 16,514.30 | 4,624.00 |
| 27,519.93 | 129,226.81 | 14,154.16 | 14,653.66 | 4,156.98 | 26,274.26 | 40,195.89 |
| 50,740.79 | 355,884.35 | 35,154.16 | 23,653.66 | 7,656.98 | 42,788.56 | 44,819.89 |
| 90,803.81 | 757,602.72 | 66,229.44 | 51,678.28 | 20,251.84 | 256,872.13 | 87,142.47 |
| 10.2 | 1.1 | 0.2 | 1.4 | 0.8 | 69.3 | 2.0 |

* Not used in figuring net debt to total assets.

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Campbell- ville P.V. | Canning- ton 812 | Cardinal 1,639 | Carleton Place 4,239 | Cayuga 619 |
|----------------------------------------------|----------------------------|------------------------|-------------------|----------------------------|---------------|
| Population..... | | | | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | 13,390.32 | |
| Substation equipment..... | | | | 2,471.63 | |
| Distribution system—overhead..... | 3,156.30 | 13,004.78 | 14,335.50 | 48,841.63 | 22,101.93 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 1,323.46 | 6,547.17 | 4,132.27 | 16,659.28 | 7,897.42 |
| Meters..... | 1,113.65 | 5,569.75 | 4,294.37 | 22,451.79 | 5,549.51 |
| Street light equipment, regular..... | 335.61 | 1,138.47 | 967.01 | 6,919.74 | 1,461.17 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 6.82 | 467.58 | 531.61 | 2,878.64 | 208.00 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | 3,474.80 | 5,289.19 | |
| Total plant..... | 5,935.84 | 26,727.75 | 27,735.56 | 118,902.22 | 37,218.03 |
| Bank and cash balance..... | 31.01 | 2,572.80 | 401.93 | 5,852.41 | 2,524.41 |
| Securities and investments..... | 4,100.00 | 7,000.00 | 5,500.00 | 47,500.00 | 5,200.00 |
| Accounts receivable..... | 27.31 | 379.95 | 273.09 | 1,181.80 | 146.43 |
| Inventories..... | | 250.15 | | 2,716.49 | 276.83 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 4,110.07 | 22,239.09 | 10,285.38 | 117,244.64 | 14,820.62 |
| Other assets..... | | | | | 2.14 |
| Total assets..... | 14,204.23 | 59,169.74 | 44,195.96 | 293,397.56 | 60,188.46 |
| LIABILITIES | | | | | |
| Debenture balance..... | | | 3,768.04 | 5,327.76 | |
| Accounts payable..... | 264.48 | 252.72 | 153.37 | 3,102.99 | 251.72 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | | 55.00 | 5.00 | 1,815.77 | 510.00 |
| Total liabilities..... | 264.48 | 307.72 | 3,926.41 | 10,246.52 | 761.72 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 4,110.07 | 22,239.09 | 10,285.38 | 117,244.64 | 14,820.62 |
| For depreciation..... | 2,077.71 | 15,610.85 | 4,769.56 | 28,528.69 | 10,971.78 |
| Other reserves..... | | 564.05 | 51.52 | 878.98 | 160.46 |
| Total reserves..... | 6,187.78 | 38,413.99 | 15,106.46 | 146,652.31 | 25,952.86 |
| SURPLUS | | | | | |
| Debentures paid..... | 5,447.77 | 15,000.00 | 11,231.96 | 60,672.24 | 20,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 2,304.20 | 5,448.03 | 13,931.13 | 75,826.49 | 13,473.88 |
| Total surplus..... | 7,751.97 | 20,448.03 | 25,163.09 | 136,498.73 | 33,473.88 |
| Total liabilities, reserves and surplus..... | 14,204.23 | 59,169.74 | 44,195.96 | 293,397.56 | 60,188.46 |
| Percentage of net debt to total assets..... | 2.6 | 0.8 | 11.6 | 5.8 | 1.7 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Chatham | Chatsworth | Chesley | Chesterville | Chippawa | Clifford | Clinton |
|--------------|------------|------------|--------------|-----------|-----------|------------|
| 18,033 | 338 | 1,548 | 1,047 | 1,251 | 431 | 2,091 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 149,143.33 | 364.89 | 6,000.00 | 335.00 | 1,434.46 | | 10,227.74 |
| 159,969.81 | | 2,305.58 | | | | 11,473.46 |
| 158,229.52 | 5,368.35 | 23,078.47 | 10,718.55 | 16,284.07 | 8,751.54 | 27,370.46 |
| 128,011.48 | | | | | | |
| 115,735.21 | 2,734.92 | 12,412.99 | 4,641.14 | 9,695.29 | 2,025.61 | 14,238.05 |
| 88,486.56 | 2,464.31 | 8,894.88 | 5,604.48 | 6,731.42 | 2,841.88 | 13,329.66 |
| 24,580.26 | 573.12 | 2,609.33 | 605.76 | 3,186.51 | 1,014.93 | 5,705.10 |
| 35,426.10 | | | | | | |
| 34,307.49 | 541.98 | 3,262.79 | 643.87 | 511.00 | 37.44 | 4,311.15 |
| | | | | | | |
| 42,752.31 | | | | | | |
| | | | | | | |
| 936,642.07 | 12,047.57 | 58,564.04 | 22,548.80 | 37,842.75 | 14,671.40 | 86,655.62 |
| | | | | | | |
| 50.00 | 267.09 | | 3,602.19 | 2,158.32 | 402.15 | 4,698.21 |
| 135,000.00 | 2,000.00 | 13,000.00 | 14,000.00 | 11,500.00 | 5,000.00 | 25,500.00 |
| 32,086.89 | 6.46 | 123.07 | 669.81 | | | 1,319.33 |
| 14,200.55 | | 438.19 | 496.12 | 210.57 | | 3,555.62 |
| | | | | | | |
| 591,214.08 | 6,875.44 | 53,235.09 | 37,050.07 | 25,177.07 | 11,133.14 | 68,950.53 |
| 1,540.00 | | | 12.62 | 1.89 | | |
| | | | | | | |
| 1,710,733.59 | 21,196.56 | 125,360.39 | 78,379.61 | 76,890.60 | 31,206.69 | 190,679.31 |
| | | | | | | |
| 51,109.86 | | | | | 3,486.86 | |
| | 73.11 | 166.65 | 5.57 | | 943.77 | 230.04 |
| 38,736.20 | | 1,650.90 | | | | |
| 43,691.70 | 42.23 | | 69.00 | 980.00 | 5.00 | 711.45 |
| | | | | | | |
| 133,537.76 | 115.34 | 1,817.55 | 74.57 | 980.00 | 4,435.63 | 941.49 |
| | | | | | | |
| 591,214.08 | 6,875.44 | 53,235.09 | 37,050.07 | 25,177.07 | 11,133.14 | 68,950.53 |
| 229,468.00 | 4,820.51 | 21,030.47 | 9,785.43 | 9,713.69 | 5,049.42 | 28,527.43 |
| 113,586.48 | | 3,500.00 | | | | 10,940.94 |
| | | | | | | |
| 934,268.56 | 11,695.95 | 77,765.56 | 46,835.50 | 34,890.76 | 16,182.56 | 108,418.90 |
| | | | | | | |
| 318,890.14 | 5,400.00 | 27,500.00 | 6,500.00 | 13,350.00 | 4,513.14 | 44,500.00 |
| | | | | | | |
| 324,037.13 | 3,985.27 | 18,277.28 | 24,969.54 | 27,669.84 | 6,075.36 | 36,818.92 |
| | | | | | | |
| 642,927.27 | 9,385.27 | 45,777.28 | 31,469.54 | 41,019.84 | 10,588.50 | 81,318.92 |
| | | | | | | |
| 1,710,733.59 | 21,196.56 | 125,360.39 | 78,379.61 | 76,890.60 | 31,206.69 | 190,679.31 |
| | | | | | | |
| 9.1 | 0.8 | 2.5 | 0.2 | 1.9 | 22.1 | 0.8 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Cobden | Cobourg | Colborne | Coldwater | Colling- wood |
|------------------------------------------|--------------|--------------|--------------|--------------|------------------|
| Population..... | 611 | 4,996 | 907 | 595 | 6,835 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 31,397.70 | | 275.00 | 15,950.08 |
| Substation equipment..... | | 1,668.35 | | | 24,954.35 |
| Distribution system—overhead... | 5,943.97 | 90,512.56 | 11,284.81 | 10,253.57 | 66,312.89 |
| Distribution system—underground. | | | | | |
| Line transformers..... | 3,609.48 | 32,305.62 | 2,175.11 | 7,128.00 | 31,511.00 |
| Meters..... | 2,292.45 | 35,216.67 | 4,446.59 | 4,207.89 | 33,278.55 |
| Street light equipment, regular..... | 499.69 | 14,806.70 | 2,389.54 | 846.22 | 3,379.95 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 87.93 | 3,507.88 | 2,530.20 | 132.53 | 656.20 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 2,853.85 | | | | |
| Total plant..... | 15,287.37 | 209,415.48 | 22,826.25 | 22,843.21 | 176,043.02 |
| Bank and cash balance..... | 1,262.56 | 28,039.20 | 3,220.80 | 2,581.21 | 16,822.51 |
| Securities and investments..... | | 45,000.00 | 5,500.00 | 3,500.00 | 40,000.00 |
| Accounts receivable..... | 88.37 | 5,402.36 | 2,105.55 | 1,729.41 | 594.43 |
| Inventories..... | | 6,782.44 | 2,715.19 | | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 3,362.84 | 81,172.87 | 7,788.55 | 20,969.77 | 203,439.59 |
| Other assets..... | | 40.29 | 90.19 | | |
| Total assets..... | 20,001.14 | 375,852.64 | 44,246.53 | 51,623.60 | 436,899.55 |
| LIABILITIES | | | | | |
| Debenture balance..... | 518.89 | 39,886.53 | 4,902.82 | | |
| Accounts payable..... | 38.16 | | | 144.46 | 270.22 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 162.50 | 4,471.69 | 322.00 | 241.37 | 3,997.56 |
| Total liabilities..... | 719.55 | 44,358.22 | 5,224.82 | 385.83 | 4,267.78 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 3,362.84 | 81,172.87 | 7,788.55 | 20,969.77 | 203,439.59 |
| For depreciation..... | 255.49 | 57,356.37 | 5,158.90 | 13,925.12 | 83,129.33 |
| Other reserves..... | | 1,500.00 | | 80.00 | 118.90 |
| Total reserves..... | 3,618.33 | 140,029.24 | 12,947.45 | 34,974.89 | 286,687.82 |
| SURPLUS | | | | | |
| Debentures paid..... | 7,284.38 | 66,106.97 | 7,291.77 | 7,000.00 | 38,183.42 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 8,378.88 | 125,358.21 | 18,782.49 | 9,262.88 | 107,760.53 |
| Total surplus..... | 15,663.26 | 191,465.18 | 26,074.26 | 16,262.88 | 145,943.95 |
| Total liabilities, reserves and surplus. | 20,001.14 | 375,852.64 | 44,246.53 | 51,623.60 | 436,899.55 |
| Percentage of net debt to total assets. | 4.3 | 15.1 | 14.3 | 1.3 | 1.8 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Comber | Cookstown | Cottam | Courtright | Creemore | Dashwood | Delaware |
|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| P.V. | P.V. | P.V. | 386 | 631 | P.V. | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 62.00 | 70.00 | 475.63 | | | | |
| | 392.95 | | | | | |
| 8,344.30 | 9,965.15 | 11,966.38 | 6,934.04 | 7,741.76 | 3,899.45 | 5,536.71 |
| | | | | | | |
| 5,441.92 | 2,892.99 | 4,408.36 | 1,225.40 | 3,676.20 | 2,400.81 | 1,950.84 |
| 3,313.76 | 2,912.85 | 2,995.20 | 1,338.56 | 3,771.01 | 2,159.96 | 1,581.43 |
| 423.35 | 919.69 | 366.43 | 470.44 | 358.56 | 364.52 | 205.24 |
| | | | | | | |
| 991.94 | 1,499.15 | 437.05 | 575.36 | 32.40 | 291.87 | 203.81 |
| | | | | | | |
| | | | | | | |
| 18,577.27 | 18,652.78 | 20,649.05 | 10,543.80 | 15,579.93 | 9,116.61 | 9,478.03 |
| | | | | | | |
| 1,193.03 | 2,957.89 | | 316.37 | 804.64 | 2,568.86 | 936.30 |
| 8,000.00 | 11,000.00 | 3,000.00 | 7,500.00 | 7,000.00 | 5,000.00 | 2,500.00 |
| 325.32 | 231.72 | 17.13 | 49.34 | 113.04 | 23.80 | 248.42 |
| | | | | | | |
| 25,909.29 | 8,130.78 | 6,934.03 | 8,292.92 | 17,244.40 | 12,470.13 | 5,150.93 |
| | | | | | | |
| 54,004.91 | 40,973.17 | 30,600.21 | 26,702.43 | 40,742.01 | 29,179.40 | 18,313.68 |
| | | | | | | |
| | 681.83 | | | | | |
| 183.60 | 454.28 | 6.56 | 15.83 | 2.12 | 171.29 | 52.09 |
| | | 257.63 | | | | |
| 45.00 | 95.00 | 145.71 | 5.00 | 204.00 | | 20.00 |
| | | | | | | |
| 228.60 | 1,231.11 | 409.90 | 20.83 | 206.12 | 171.29 | 72.09 |
| | | | | | | |
| 25,909.29 | 8,130.78 | 6,934.03 | 8,292.92 | 17,244.40 | 12,470.13 | 5,150.93 |
| 9,322.59 | 10,686.63 | 6,352.43 | 3,480.93 | 7,795.15 | 4,654.00 | 1,672.63 |
| 25.76 | | 37.95 | 5.24 | 50.33 | | 27.24 |
| | | | | | | |
| 35,257.64 | 18,817.41 | 13,324.41 | 11,779.09 | 25,089.88 | 17,124.13 | 6,850.80 |
| | | | | | | |
| 7,700.00 | 12,818.17 | 9,000.22 | 8,138.35 | 2,823.61 | 3,400.00 | 4,000.00 |
| | | | | | | |
| 10,818.67 | 8,106.48 | 7,865.68 | 6,764.16 | 12,622.40 | 8,483.98 | 7,390.79 |
| | | | | | | |
| 18,518.67 | 20,924.65 | 16,865.90 | 14,902.51 | 15,446.01 | 11,883.98 | 11,390.79 |
| | | | | | | |
| 54,004.91 | 40,973.17 | 30,600.21 | 26,702.43 | 40,742.01 | 29,179.40 | 18,313.68 |
| | | | | | | |
| 0.8 | 3.7 | 1.7 | 0.1 | 0.9 | 1.0 | 0.5 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Delhi | Deseronto | Dorchester | Drayton | Dresden |
|-----------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population..... | 2,063 | 1,271 | P.V. | 509 | 1,532 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 2,472.54 | 1,097.41 | | | 505.30 |
| Substation equipment..... | | 161.18 | | | 523.00 |
| Distribution system—overhead.... | 31,285.01 | 11,285.51 | 9,611.27 | 10,314.58 | 23,344.25 |
| Distribution system—underground. | | | | | |
| Line transformers..... | 18,620.02 | 5,178.56 | 3,579.56 | 5,288.35 | 11,454.92 |
| Meters..... | 13,862.41 | 6,695.09 | 2,998.68 | 4,050.11 | 10,198.72 |
| Street light equipment, regular.... | 4,912.52 | 432.60 | 928.18 | 858.39 | 1,729.55 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 3,364.21 | 1,284.72 | 328.41 | 418.32 | 4,321.24 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 28,518.74 | | | | |
| Total plant..... | 103,035.45 | 26,135.07 | 17,446.10 | 20,929.75 | 52,076.98 |
| Bank and cash balance..... | 4,506.95 | 2,805.66 | | 734.67 | 2,691.42 |
| Securities and investments..... | 23,500.00 | 6,000.00 | 6,400.00 | 6,000.00 | 9,500.00 |
| Accounts receivable..... | 9.00 | 814.42 | 788.58 | 69.04 | 860.98 |
| Inventories..... | 4,315.45 | 64.42 | 234.70 | 39.13 | 2,907.93 |
| Sinking fund on local debentures | | | | | |
| Equity in H-E.P.C. systems..... | 13,101.16 | 11,760.42 | 11,234.72 | 18,870.83 | 47,120.61 |
| Other assets..... | .81 | | | | 6.93 |
| Total assets..... | 148,468.82 | 47,579.99 | 36,104.10 | 46,643.42 | 115,164.85 |
| LIABILITIES | | | | | |
| Debenture balance..... | 61,032.71 | | | 656.09 | |
| Accounts payable..... | 30.00 | 386.14 | 38.24 | 1,372.13 | 2,235.63 |
| Bank overdraft..... | | | 453.63 | | |
| Other liabilities..... | 1,706.79 | 333.01 | 24.22 | 20.00 | 318.00 |
| Total liabilities..... | 62,769.50 | 719.15 | 516.09 | 2,048.22 | 2,553.63 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 13,101.16 | 11,760.42 | 11,234.72 | 18,870.83 | 47,120.61 |
| For depreciation..... | 15,815.48 | 3,031.44 | 5,169.31 | 10,574.24 | 7,399.39 |
| Other reserves..... | 8,597.12 | | 1,500.05 | | 4,011.46 |
| Total reserves..... | 37,513.76 | 14,791.86 | 17,904.08 | 29,445.07 | 58,531.46 |
| SURPLUS | | | | | |
| Debentures paid..... | 23,967.29 | 15,000.00 | 4,300.00 | 8,843.91 | 11,423.24 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 24,218.27 | 17,068.98 | 13,383.93 | 6,306.22 | 42,656.52 |
| Total surplus..... | 48,185.56 | 32,068.98 | 17,683.93 | 15,150.13 | 54,079.76 |
| Total liabilities, reserves and surplus | 148,468.82 | 47,579.99 | 36,104.10 | 46,643.42 | 115,164.85 |
| Percentage of net debt to total assets. | 46.3 | 2.8 | 2.1 | 7.4 | 3.8 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Drumbo | Dublin | Dundalk | Dundas | Dunnville | Durham | Dutton |
|-----------|-----------|-----------|------------|------------|------------|-----------|
| P.V. | P.V. | 705 | 5,588 | 4,342 | 1,976 | 812 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | ..... | 218.00 | 19,401.77 | 3,722.21 | 210.28 | 75.11 |
| ..... | ..... | ..... | 24,228.53 | 39,710.85 | 546.02 | ..... |
| 4,882.50 | 6,055.52 | 8,781.83 | 60,251.46 | 43,015.87 | 25,579.40 | 10,650.07 |
| | | | | | | |
| 2,099.05 | 2,826.71 | 5,698.61 | 33,603.46 | 29,630.32 | 11,109.06 | 4,633.84 |
| 2,393.58 | 1,453.05 | 3,928.03 | 30,481.75 | 24,810.09 | 9,264.68 | 3,867.36 |
| 287.00 | 539.86 | 1,205.41 | 11,899.54 | 10,100.69 | 1,599.01 | 754.38 |
| ..... | ..... | ..... | 1,154.52 | ..... | ..... | ..... |
| 235.58 | 787.06 | 373.39 | 1,398.00 | 7,251.24 | 892.02 | 682.82 |
| ..... | ..... | ..... | ..... | 10,717.62 | ..... | ..... |
| | | | | | | |
| 9,897.71 | 11,662.20 | 20,205.27 | 182,419.03 | 168,958.89 | 49,200.47 | 20,663.58 |
| | | | | | | |
| 3,932.63 | 2,416.15 | 2,925.60 | 4,851.95 | 1,026.76 | 3,055.86 | 1,312.95 |
| 5,000.00 | 1,500.00 | 9,000.00 | 30,500.00 | 35,000.00 | 12,000.00 | 9,500.00 |
| 398.11 | 78.77 | 130.69 | 143.26 | 1,039.88 | 384.77 | 150.78 |
| ..... | ..... | ..... | 316.32 | 1,226.69 | 86.69 | ..... |
| | | | | | | |
| 9,878.54 | 8,089.83 | 19,029.85 | 210,587.45 | 95,275.44 | 44,547.78 | 28,748.91 |
| ..... | ..... | ..... | 148.07 | ..... | ..... | ..... |
| | | | | | | |
| 29,106.99 | 23,746.95 | 51,291.41 | 428,966.08 | 302,527.66 | 109,275.57 | 60,376.22 |
| | | | | | | |
| ..... | ..... | ..... | ..... | 2,427.53 | ..... | ..... |
| 68.63 | ..... | 74.50 | 429.69 | 129.32 | 179.46 | 1,377.55 |
| | | | | | | |
| ..... | 16.00 | ..... | 10,296.23 | 2,244.40 | 28.00 | 182.36 |
| | | | | | | |
| 68.63 | 16.00 | 74.50 | 10,725.92 | 4,801.25 | 207.46 | 1,559.91 |
| | | | | | | |
| | | | | | | |
| 9,878.54 | 8,089.83 | 19,029.85 | 210,587.45 | 95,275.44 | 44,547.78 | 28,748.91 |
| 6,917.20 | 7,114.15 | 9,706.31 | 86,553.12 | 55,091.34 | 21,036.80 | 11,647.75 |
| ..... | ..... | 1,300.00 | 183.97 | 16,500.00 | ..... | 33.23 |
| | | | | | | |
| 16,795.74 | 15,203.98 | 30,036.16 | 297,324.54 | 166,866.78 | 65,584.58 | 40,429.89 |
| | | | | | | |
| | | | | | | |
| 4,500.00 | 6,200.00 | 5,955.96 | 53,000.00 | 73,072.47 | 25,800.00 | 8,407.49 |
| | | | | | | |
| 7,742.62 | 2,326.97 | 15,224.79 | 67,915.62 | 57,787.16 | 17,683.53 | 9,978.93 |
| | | | | | | |
| 12,242.62 | 8,526.97 | 21,180.75 | 120,915.62 | 130,859.63 | 43,483.53 | 18,386.42 |
| | | | | | | |
| 29,106.99 | 23,746.95 | 51,291.41 | 428,966.08 | 302,527.66 | 109,275.57 | 60,376.22 |
| | | | | | | |
| 0.4 | 0.1 | 0.2 | 4.9 | 2.3 | 0.3 | 4.9 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | East York Twp. V.A. | Elmira | Elmvale P.V. | Elmwood P.V. |
|----------------------------------------------|---------------------------|--------------|-----------------|-----------------|
| Population..... | | 2,182 | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 38,170.70 | 7,540.68 | 106.25 | |
| Substation equipment..... | 106,472.59 | 18,411.70 | 2,273.07 | |
| Distribution system—overhead..... | 440,151.77 | 39,938.00 | 10,924.95 | 5,605.52 |
| Distribution system—underground..... | | 540.21 | | |
| Line transformers..... | 150,799.37 | 26,396.38 | 5,008.75 | 3,105.49 |
| Meters..... | 205,192.74 | 19,176.98 | 5,282.88 | 2,084.63 |
| Street light equipment, regular..... | 51,080.57 | 2,452.55 | 595.45 | 721.69 |
| Street light equipment, ornamental..... | | | | |
| Miscellaneous construction expense..... | 19,945.58 | 1,855.35 | 580.65 | 1,093.62 |
| Steam or hydraulic plant..... | | | | |
| Old plant..... | | 2,168.08 | | |
| Total plant..... | 1,011,813.32 | 118,479.93 | 24,772.00 | 12,610.95 |
| Bank and cash balance..... | 24,002.71 | 5,412.00 | 3,201.88 | 944.65 |
| Securities and investments..... | | 38,500.00 | 8,700.00 | 3,100.00 |
| Accounts receivable..... | 41,769.24 | 190.46 | 35.61 | 87.53 |
| Inventories..... | 16,606.40 | | | 10.41 |
| Sinking fund on local debentures..... | | | | |
| Equity in H-E.P.C. systems..... | 449,042.50 | 112,670.54 | 21,166.32 | 6,280.49 |
| Other assets..... | 332.38 | | | |
| Total assets..... | 1,543,566.55 | 275,252.93 | 57,875.81 | 23,034.03 |
| LIABILITIES | | | | |
| Debenture balance..... | | 3,277.81 | | |
| Accounts payable..... | 45,915.93 | 183.43 | 111.33 | 546.68 |
| Bank overdraft..... | | | | |
| Other liabilities..... | 13,246.74 | 792.65 | | 1,275.00 |
| Total liabilities..... | 59,162.67 | 4,253.89 | 111.33 | 1,821.68 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems..... | 449,042.50 | 112,670.54 | 21,166.32 | 6,280.49 |
| For depreciation..... | 200,545.83 | 52,255.35 | 11,013.54 | 4,636.90 |
| Other reserves..... | 3,200.32 | 9,000.00 | 3.68 | |
| Total reserves..... | 652,788.65 | 173,925.89 | 32,183.54 | 10,917.39 |
| SURPLUS | | | | |
| Debentures paid..... | 349,763.36 | 33,890.69 | 7,000.00 | 7,200.00 |
| Local sinking fund..... | | | | |
| Operating surplus..... | 481,851.87 | 63,182.46 | 18,580.94 | 3,094.96 |
| Total surplus..... | 831,615.23 | 97,073.15 | 25,580.94 | 10,294.96 |
| Total liabilities, reserves and surplus..... | 1,543,566.55 | 275,252.93 | 57,875.81 | 23,034.03 |
| Percentage of net debt to total assets..... | 5.4 | 2.6 | 0.3 | 10.9 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Elora | Embro | Erieau | Erie Beach | Essex | Etobicoke Twp. V.A. | Exeter |
|------------|-----------|-----------|------------|------------|---------------------------|------------|
| 1,167 | 455 | 223 | 22 | 1,920 | | 1,794 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,524.54 | | | | 609.30 | 37,161.39 | 9,954.19 |
| 18,788.88 | 11,193.70 | 16,756.76 | 3,058.96 | 44,140.43 | 3,058.19 | 33,951.18 |
| 8,526.59 | 6,966.87 | 4,507.27 | 925.32 | 21,980.23 | 410,398.07 | 17,465.40 |
| 7,638.07 | 2,730.26 | 4,323.45 | 1,070.25 | 14,753.59 | 162,224.01 | 12,233.71 |
| 1,513.11 | 535.73 | 679.36 | 85.80 | 1,738.13 | 124,050.77 | 4,902.87 |
| 1,113.38 | 69.45 | 379.90 | 375.03 | 7,205.06 | 27,014.07 | 2,328.04 |
| | | | | 741.57 | 2,689.44 | |
| | | | | | 23,515.15 | |
| 39,104.57 | 21,496.01 | 26,646.74 | 5,515.36 | 91,610.86 | | 80,835.39 |
| 1,121.74 | 1,267.38 | 2,096.12 | 216.63 | 1,625.38 | 790,111.09 | 2,008.13 |
| 18,500.00 | 3,000.00 | 1,000.00 | 1,500.00 | 32,000.00 | 3,625.83 | 18,500.00 |
| 40.49 | 52.60 | 534.20 | 193.38 | 443.61 | 7,000.00 | 1,818.14 |
| 212.03 | | | | | 11,088.24 | 2,039.59 |
| 53,490.66 | 16,340.14 | 10,586.66 | 2,469.87 | 48,286.40 | 31,628.84 | 63,358.97 |
| | | | | 0.90 | 370,592.23 | 500.00 |
| 112,469.49 | 42,156.13 | 40,863.72 | 9,895.24 | 173,967.15 | 1,214,046.23 | 169,060.22 |
| | | | | | | |
| 75.81 | 57.78 | 989.35 | 165.91 | 9,806.69 | 19,065.06 | 817.48 |
| 351.25 | 40.00 | 45.00 | 7.50 | 106.88 | 24,512.65 | 12,833.01 |
| 427.06 | 97.78 | 1,034.35 | 173.41 | 7,887.73 | 12,616.27 | 615.00 |
| | | | | | | |
| 53,490.66 | 16,340.14 | 10,586.66 | 2,469.87 | 48,286.40 | 69,026.99 | 1,432.48 |
| 22,656.37 | 8,093.78 | 6,593.71 | 1,266.71 | 33,306.11 | | |
| | 9.58 | 39.16 | 18.90 | 7,328.29 | 370,592.23 | 63,358.97 |
| 76,147.03 | 24,443.50 | 17,219.53 | 3,755.48 | 88,920.80 | 188,367.91 | 23,859.37 |
| | | | | | 30,222.30 | 8,534.06 |
| 13,000.00 | 7,500.00 | 6,883.13 | 3,300.00 | 12,693.31 | 589,182.44 | 95,752.40 |
| 22,895.40 | 10,114.85 | 15,726.71 | 2,666.35 | 54,551.74 | 246,630.34 | 20,000.05 |
| 35,895.40 | 17,614.85 | 22,609.84 | 5,966.35 | 67,245.05 | 309,206.46 | 51,875.29 |
| 112,469.49 | 42,156.13 | 40,863.72 | 9,895.24 | 173,967.15 | 555,836.80 | 71,875.34 |
| | | | | | 1,214,046.23 | 169,060.22 |
| 0.7 | 0.4 | 3.4 | 2.3 | 8.9 | 7.9 | 1.4 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Fergus | Finch | Flesherton | Fonthill | Forest |
|----------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population..... | 2,624 | 328 | 361 | 1,009 | 1,679 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 2,442.52 | | 408.78 | | 6,576.61 |
| Substation equipment..... | 16,583.00 | | | | |
| Distribution system—overhead..... | 36,724.20 | 8,331.38 | 6,093.00 | 14,908.94 | 23,975.48 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 27,546.18 | 2,486.47 | 3,232.45 | 7,198.67 | 15,776.75 |
| Meters..... | 16,883.50 | 2,678.31 | 2,670.58 | 6,941.59 | 13,004.30 |
| Street light equipment, regular..... | 6,209.87 | 504.07 | 817.68 | 2,429.20 | 2,663.94 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 614.88 | 16.24 | 914.17 | 737.80 | 1,608.75 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 2,546.59 | | | 3,500.00 | |
| Total plant..... | 109,550.74 | 14,016.47 | 14,136.66 | 35,716.20 | 63,605.83 |
| Bank and cash balance..... | 859.88 | 529.57 | 2,227.96 | 2,241.09 | 4,049.02 |
| Securities and investments..... | 20,000.00 | 3,500.00 | 9,000.00 | 2,000.00 | 33,510.00 |
| Accounts receivable..... | 263.87 | 132.16 | 6.33 | 71.60 | 192.10 |
| Inventories..... | 166.46 | | 28.40 | | 1,047.32 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 98,129.69 | 6,857.80 | 9,248.53 | 10,422.59 | 51,281.11 |
| Other assets..... | | | | | 1.83 |
| Total assets..... | 228,970.64 | 25,036.00 | 34,647.88 | 50,451.48 | 153,687.21 |
| LIABILITIES | | | | | |
| Debenture balance..... | 917.06 | 585.74 | | | |
| Accounts payable..... | 2,166.51 | 832.05 | 40.61 | 123.27 | 178.70 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 655.17 | 225.95 | 67.00 | 324.30 | 137.46 |
| Total liabilities..... | 3,738.74 | 1,643.74 | 107.61 | 447.57 | 316.16 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 98,129.69 | 6,857.80 | 9,248.53 | 10,422.59 | 51,281.11 |
| For depreciation..... | 28,996.17 | 3,683.93 | 6,229.92 | 7,243.09 | 28,319.62 |
| Other reserves..... | 10,198.59 | 2.91 | | | 6,087.59 |
| Total reserves..... | 137,324.45 | 10,544.64 | 15,478.45 | 17,665.68 | 85,688.32 |
| SURPLUS | | | | | |
| Debentures paid..... | 41,082.94 | 6,414.26 | 6,700.00 | 22,500.00 | 23,357.13 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 46,824.51 | 6,433.36 | 12,361.82 | 9,838.23 | 44,325.60 |
| Total surplus..... | 87,907.45 | 12,847.62 | 19,061.82 | 32,338.23 | 67,682.73 |
| Total liabilities, reserves and surplus..... | 228,970.64 | 25,036.00 | 34,647.88 | 50,451.48 | 153,687.21 |
| Percentage of net debt to total assets..... | 2.9 | 9.0 | 0.4 | 0.7 | 0.3 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Forest Hill | Galt | Georgetown | Glencoe | Goderich | Grand Valley |
|--------------|--------------|------------|-----------|------------|--------------|
| 13,960 | 14,703 | 2,468 | 703 | 4,728 | 594 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 39,501.92 | 232,660.27 | 5,041.05 | 3,587.66 | 13,569.89 | 36.50 |
| 80,767.90 | 162,229.03 | 9,194.71 | | 36,060.24 | |
| 219,895.95 | 304,426.20 | 43,672.04 | 24,047.20 | 76,702.04 | 12,698.88 |
| 2,169.95 | 4,653.65 | | | | |
| 120,483.26 | 158,827.53 | 38,290.20 | 9,389.55 | 31,240.02 | 3,819.98 |
| 74,720.38 | 100,713.09 | 20,785.47 | 5,289.69 | 26,579.66 | 4,300.40 |
| 10,667.29 | 74,632.25 | 4,645.54 | 2,664.77 | 9,159.76 | 1,067.12 |
| 16,795.63 | | | | | |
| 27,698.17 | 14,295.73 | 2,378.63 | 1,126.31 | 6,511.66 | 241.70 |
| | | | | 14,622.15 | |
| 592,700.45 | 1,052,437.75 | 124,007.64 | 46,105.18 | 214,445.42 | 22,164.58 |
| | 8,910.22 | 6,349.57 | 2,727.69 | 9,694.80 | 1,708.24 |
| 179,000.00 | 120,000.00 | 10,767.40 | 15,100.00 | 65,000.00 | 11,000.00 |
| 4,826.59 | 1,694.65 | 1,345.80 | 69.96 | 6,673.95 | 130.01 |
| 9,296.27 | 39,383.05 | 206.95 | 382.27 | 1,121.60 | |
| 298,266.01 | 823,104.10 | 157,088.95 | 29,876.30 | 181,816.16 | 17,574.28 |
| | 603.08 | 87.63 | | 16.77 | |
| 1,084,089.32 | 2,046,132.85 | 299,853.94 | 94,261.40 | 478,768.70 | 52,577.11 |
| 205,646.10 | | | | 14,407.79 | |
| 4,833.11 | 167.42 | 450.65 | | 1,552.26 | |
| 1,319.37 | | | | | |
| 29,362.70 | 5,977.02 | 2,793.61 | 316.59 | 3,609.06 | |
| 241,161.28 | 6,144.44 | 3,244.26 | 316.59 | 19,569.11 | |
| 298,266.01 | 823,104.10 | 157,088.95 | 29,876.30 | 181,816.16 | 17,574.28 |
| 169,420.53 | 456,246.32 | 32,067.83 | 17,290.08 | 116,328.62 | 13,064.39 |
| 750.00 | 40,722.46 | | 1,851.64 | 6,819.63 | 1,000.00 |
| 468,436.54 | 1,320,072.88 | 189,156.78 | 49,018.02 | 304,964.41 | 31,638.67 |
| 157,135.50 | 518,001.95 | 20,000.00 | 20,112.88 | 81,680.26 | 11,000.00 |
| 217,356.00 | 201,913.58 | 87,452.90 | 24,813.91 | 72,554.92 | 9,938.44 |
| 374,491.50 | 719,915.53 | 107,452.90 | 44,926.79 | 154,235.18 | 20,938.44 |
| 1,084,089.32 | 2,046,132.85 | 299,853.94 | 94,261.40 | 478,768.70 | 52,577.11 |
| 29.2 | 0.5 | 2.3 | 0.5 | 6.6 | 0.0 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Granton | Gravenhurst | Grimsby | Guelph |
|--------------------------------------------|--------------|--------------|--------------|--------------|
| Population..... | P.V. | 2,485 | 1,993 | 23,225 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 9,697.27 | | 14,770.87 |
| Substation equipment..... | | 10,936.03 | | 172,523.76 |
| Distribution system—overhead..... | 4,899.16 | 41,171.52 | 40,665.00 | 303,333.45 |
| Distribution system—underground..... | | 1,941.77 | | 28,847.47 |
| Line transformers..... | 1,515.11 | 16,782.86 | 26,371.64 | 135,899.82 |
| Meters..... | 1,837.00 | 16,041.34 | 19,442.91 | 129,078.93 |
| Street light equipment, regular..... | 180.78 | 4,472.25 | 2,562.07 | 46,410.53 |
| Street light equipment, ornamental..... | | | 1,925.00 | |
| Miscellaneous construction expense.. | 113.08 | 1,056.16 | 1,061.60 | 16,604.15 |
| Steam or hydraulic plant..... | | | | |
| Old plant..... | | | | |
| Total plant..... | 8,545.13 | 102,099.20 | 92,028.22 | 847,468.98 |
| Bank and cash balance..... | 405.76 | 1,824.36 | 2,273.66 | 362.50 |
| Securities and investments..... | 5,200.00 | 22,000.00 | | 65,000.00 |
| Accounts receivable..... | 609.39 | 238.35 | 78.55 | 7,858.78 |
| Inventories..... | | 2,066.20 | 150.62 | 25,174.35 |
| Sinking fund on local debentures..... | | | | |
| Equity in H-E.P.C. systems..... | 11,396.47 | 49,063.15 | 8,675.55 | 976,154.62 |
| Other assets..... | | | | 2,140.00 |
| Total assets..... | 26,156.75 | 177,291.26 | 103,206.60 | 1,924,159.23 |
| LIABILITIES | | | | |
| Debenture balance..... | | | 4,079.21 | |
| Accounts payable..... | 578.04 | 401.07 | 1,144.23 | 31,798.51 |
| Bank overdraft..... | | | | 6,031.81 |
| Other liabilities..... | | 985.00 | 3,479.90 | 3,050.45 |
| Total liabilities..... | 578.04 | 1,386.07 | 8,703.34 | 40,880.77 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems..... | 11,396.47 | 49,063.15 | 8,675.55 | 976,154.62 |
| For depreciation..... | 4,795.45 | 39,386.04 | 9,974.91 | 256,225.87 |
| Other reserves..... | 60.00 | 8,072.91 | | 800.06 |
| Total reserves..... | 16,251.92 | 96,522.10 | 18,650.46 | 1,233,180.55 |
| SURPLUS | | | | |
| Debentures paid..... | 3,500.00 | 44,278.97 | 81,264.79 | 145,000.00 |
| Local sinking fund..... | | | | |
| Operating surplus..... | 5,826.79 | 35,104.12 | †5,411.99 | 505,097.91 |
| Total surplus..... | 9,326.79 | 79,383.09 | 75,852.80 | 650,097.91 |
| Total liabilities, reserves and surplus... | 26,156.75 | 177,291.26 | 103,206.60 | 1,924,159.23 |
| Percentage of net debt to total assets.. | 3.9 | 1.1 | 7.3 | 4.3 |

† Deficit

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Hagersville | Hamilton* | Hanover | Harriston | Harrow | Hastings | Havelock |
|-------------|---------------|------------|------------|------------|-----------|-----------|
| 1,562 | 174,222 | 3,133 | 1,252 | 1,150 | 723 | 936 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 864.37 | 999,810.39 | 3,894.32 | 395.25 | 2,318.16 | | 572.90 |
| 21,751.01 | 2,390,457.72 | 9,271.19 | 600.00 | | | |
| | 1,396,847.17 | 55,450.18 | 23,341.75 | 22,782.56 | 17,917.87 | 19,776.97 |
| | 888,618.60 | | | | | |
| 13,152.02 | 1,087,089.41 | 28,736.52 | 9,730.05 | 12,453.08 | 4,089.46 | 4,112.57 |
| 11,555.04 | 919,656.78 | 20,719.73 | 10,399.65 | 9,666.51 | 4,511.04 | 6,481.29 |
| 1,252.45 | 302,271.20 | 2,673.22 | 1,332.00 | 970.46 | 1,212.07 | 1,883.33 |
| 710.83 | 40,439.62 | 5,571.41 | 1,066.36 | 58.70 | 669.85 | 4,264.37 |
| | | | 1,001.43 | | 1,733.13 | 2,420.45 |
| 49,285.72 | 8,025,190.89 | 126,316.57 | 47,866.49 | 48,249.47 | 30,133.42 | 39,511.88 |
| 10,834.15 | 763,841.34 | 10,663.89 | 4,448.43 | 4,731.73 | 451.29 | 2,653.89 |
| 27,000.00 | 1,500,000.00 | 69,783.47 | 10,400.00 | 9,200.00 | 7,000.00 | 16,500.00 |
| 104.02 | 475,877.81 | 593.42 | 374.65 | 242.83 | 134.40 | 64.14 |
| | 198,233.31 | 311.86 | 193.95 | 144.75 | | |
| 110,208.77 | 8,392,223.98 | 119,146.41 | 50,071.92 | 40,311.74 | 6,226.90 | 17,432.98 |
| 0.74 | 103,129.07 | | | | | |
| 197,433.40 | 19,458,496.40 | 326,815.62 | 113,355.44 | 102,880.52 | 43,946.01 | 76,162.89 |
| | 313,000.00 | | 1,119.04 | | 7,504.02 | |
| 16.00 | 340,105.43 | 7.56 | 10.00 | 1,254.40 | 212.75 | 236.18 |
| 579.43 | 36,925.23 | 1,073.95 | 40.72 | 360.71 | 418.47 | 180.00 |
| 595.43 | 690,030.66 | 1,081.51 | 1,169.76 | 1,615.11 | 8,135.24 | 416.18 |
| 110,208.77 | 8,392,223.98 | 119,146.41 | 50,071.92 | 40,311.74 | 6,226.90 | 17,432.98 |
| 21,217.43 | 2,084,430.22 | 81,356.94 | 18,063.17 | 15,326.49 | 7,902.00 | 15,038.16 |
| 6,000.00 | 1,996,956.09 | 12,500.00 | | 136.30 | | |
| 137,426.20 | 12,473,610.29 | 213,003.35 | 68,135.09 | 55,774.53 | 14,128.90 | 32,471.14 |
| 8,000.00 | 3,747,275.19 | 87,500.00 | 24,698.99 | 12,000.00 | 13,495.98 | 32,900.00 |
| 51,411.77 | 2,547,580.26 | 25,230.76 | 19,351.60 | 33,490.88 | 8,185.89 | 10,375.57 |
| 59,411.77 | 6,294,855.45 | 112,730.76 | 44,050.59 | 45,490.88 | 21,681.87 | 43,275.57 |
| 197,433.40 | 19,458,496.40 | 326,815.62 | 113,355.44 | 102,880.52 | 43,946.01 | 76,162.89 |
| 0.7 | 6.2 | 0.5 | 1.8 | 2.6 | 23.4 | 0.7 |

* Includes 1946 power adjustment and equity in H-E.P.C. system

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Hensall | Hespeler | Highgate | Holstein | Humberstone |
|----------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population..... | 631 | 2,936 | 304 | P.V. | 3,287 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 4,857.00 | | | 8,347.17 |
| Substation equipment..... | | 38,946.53 | | | |
| Distribution system—overhead..... | 12,855.57 | 34,368.99 | 8,451.33 | 2,489.74 | 27,488.28 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 7,293.35 | 33,556.08 | 2,461.29 | 1,391.36 | 19,451.22 |
| Meters..... | 4,575.84 | 15,663.96 | 2,034.17 | 917.13 | 13,033.79 |
| Street light equipment, regular..... | 612.83 | 9,194.48 | 453.91 | 170.44 | 1,637.65 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 643.73 | 3,760.33 | 491.60 | 170.25 | 754.63 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | | |
| Total plant..... | 25,981.32 | 140,347.37 | 13,892.30 | 5,138.92 | 70,712.74 |
| Bank and cash balance..... | 1,462.89 | 7,532.97 | 341.42 | 1,161.36 | 4,926.25 |
| Securities and investments..... | 12,000.00 | 31,000.00 | 6,000.00 | 4,500.00 | 19,500.00 |
| Accounts receivable..... | 17.48 | 748.24 | 38.80 | | 180.55 |
| Inventories..... | | 479.78 | | | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 24,561.07 | 179,448.30 | 13,766.77 | 3,830.53 | 33,627.48 |
| Other assets..... | | 366.66 | | | |
| Total assets..... | 64,022.76 | 359,923.32 | 34,039.29 | 14,630.81 | 128,947.02 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 7,113.41 | | | |
| Accounts payable..... | 494.84 | 347.49 | | 87.65 | 497.67 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 30.00 | 960.00 | 100.00 | | 2,188.16 |
| Total liabilities..... | 524.84 | 8,420.90 | 100.00 | 87.65 | 2,685.83 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 24,561.07 | 179,448.30 | 13,766.77 | 3,830.53 | 33,627.48 |
| For depreciation..... | 12,772.98 | 32,764.17 | 7,613.41 | 2,424.74 | 12,038.38 |
| Other reserves..... | | 154.46 | | | 6,000.00 |
| Total reserves..... | 37,334.05 | 212,366.93 | 21,380.18 | 6,255.27 | 51,665.86 |
| SURPLUS | | | | | |
| Debentures paid..... | 12,000.00 | 70,457.10 | 5,000.00 | 2,762.05 | 32,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 14,163.87 | 68,678.39 | 7,559.11 | 5,525.84 | 42,595.33 |
| Total surplus..... | 26,163.87 | 139,135.49 | 12,559.11 | 8,287.89 | 74,595.33 |
| Total liabilities, reserves and surplus..... | 64,022.76 | 359,923.32 | 34,039.29 | 14,630.81 | 128,947.02 |
| Percentage of net debt to total assets..... | 1.3 | 4.7 | 0.5 | 0.8 | 2.8 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Huntsville | Ingersoll | Iroquois | Jarvis | Kemptville | Kincardine |
|------------|------------|-----------|-----------|------------|------------|
| 2,750 | 5,826 | 910 | 557 | 1,200 | 2,337 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 353.52 | 16,291.49 | 281.20 | | 4,719.34 | 6,846.55 |
| 647.30 | 51,338.29 | 100.00 | | | 2,794.20 |
| 25,073.95 | 63,177.43 | 9,733.66 | 10,602.96 | 21,209.41 | 48,944.88 |
| 15,140.15 | 50,341.79 | 3,809.02 | 5,839.24 | 8,938.46 | 21,811.71 |
| 15,795.51 | 35,950.59 | 5,221.85 | 3,678.95 | 9,494.01 | 15,262.18 |
| 8,587.86 | 5,308.47 | 1,374.13 | 931.82 | 1,090.07 | 6,884.13 |
| | 4,597.59 | | | | |
| 2,327.50 | 12,847.61 | 1,091.47 | 54.00 | 6,379.38 | 417.45 |
| 5,156.20 | | 575.00 | | | |
| 73,081.99 | 239,853.26 | 22,186.33 | 21,106.97 | 51,830.67 | 102,961.10 |
| 6,282.21 | 5,649.02 | | 1,773.94 | 652.52 | |
| 7,000.00 | 5,292.95 | 5,000.00 | 13,500.00 | 15,000.00 | 26,000.00 |
| 3,788.45 | 1,502.14 | 2,461.92 | 27.55 | 3,286.13 | 330.93 |
| 4,668.84 | 1,527.37 | 250.00 | 338.00 | 1,970.64 | 247.51 |
| 89,916.53 | 273,372.05 | 3,220.78 | 22,443.30 | 30,424.25 | 64,724.56 |
| | 208.24 | | | | |
| 184,738.02 | 527,405.03 | 33,119.03 | 59,189.76 | 103,164.21 | 194,264.10 |
| 771.94 | 17,888.85 | 62.58 | | 1,269.59 | 153.45 |
| | | 536.19 | | | 94.08 |
| 1,064.42 | 6,876.94 | 256.42 | | 219.69 | 1,069.00 |
| 1,836.36 | 24,765.79 | 855.19 | | 1,489.28 | 1,316.53 |
| 89,916.53 | 273,372.05 | 3,220.78 | 22,443.30 | 30,424.25 | 64,724.56 |
| 21,585.93 | 39,718.97 | 2,451.28 | 7,749.84 | 16,923.77 | 32,741.43 |
| 309.83 | 4,358.06 | 2,000.00 | | | 7,564.07 |
| 111,812.29 | 317,449.08 | 7,672.06 | 30,193.14 | 47,348.02 | 105,030.06 |
| 21,133.54 | 79,800.00 | | 10,500.00 | 25,000.00 | 60,000.00 |
| 49,955.83 | 105,390.16 | 24,591.78 | 18,496.62 | 29,326.91 | 27,917.51 |
| 71,089.37 | 185,190.16 | 24,591.78 | 28,996.62 | 54,326.91 | 87,917.51 |
| 184,738.02 | 527,405.03 | 33,119.03 | 59,189.76 | 103,164.21 | 194,264.10 |
| 1.8 | 8.1 | 2.8 | 0.0 | 2.1 | 1.0 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Kingston | Kingsville | Kirkfield | Kitchener |
|----------------------------------------------|--------------|--------------|--------------|--------------|
| Population..... | 36,697 | 2,380 | P.V. | 36,165 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 269,177.98 | 8,600.27 | | 293,596.46 |
| Substation equipment..... | 306,303.61 | | | 451,407.70 |
| Distribution system—overhead..... | 258,422.11 | 36,891.80 | 5,179.43 | 478,768.01 |
| Distribution system—underground..... | 214,080.96 | | | 119,026.75 |
| Line transformers..... | 122,720.59 | 17,176.18 | 757.90 | 277,309.85 |
| Meters..... | 157,353.32 | 17,403.99 | 884.55 | 278,373.76 |
| Street light equipment, regular..... | 83,629.62 | 1,559.61 | 379.00 | 82,646.47 |
| Street light equipment, ornamental..... | | 19,200.00 | | 126,922.86 |
| Miscellaneous construction expense..... | 47,680.08 | 813.86 | 234.11 | 36,708.28 |
| Steam or hydraulic plant..... | 17,665.40 | | | |
| Old plant..... | | | | 52,363.91 |
| Total plant..... | 1,477,033.67 | 101,645.71 | 7,434.99 | 2,197,124.05 |
| Bank and cash balance..... | 29,460.95 | 2,640.67 | 1,670.20 | 40,951.84 |
| Securities and investments..... | 480,000.00 | 32,500.00 | 3,000.00 | 125,000.00 |
| Accounts receivable..... | 42,445.91 | 268.57 | 43.65 | 109,938.72 |
| Inventories..... | 26,138.80 | | | 72,914.68 |
| Sinking fund on local debentures..... | | | | |
| Equity in H-E.P.C. systems..... | 225,931.62 | 61,425.22 | 4,595.89 | 1,963,869.78 |
| Other assets..... | 4,827.94 | 0.70 | | 959.42 |
| Total assets..... | 2,285,838.89 | 198,480.87 | 16,744.73 | 4,510,758.49 |
| LIABILITIES | | | | |
| Debenture balance..... | 7,049.00 | 15,113.05 | | 98,000.00 |
| Accounts payable..... | | 119.30 | 14.25 | 95,685.22 |
| Bank overdraft..... | | | | |
| Other liabilities..... | 27,565.98 | 22,872.25 | | 130,739.70 |
| Total liabilities..... | 34,614.98 | 38,104.60 | 14.25 | 324,424.92 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems..... | 225,931.62 | 61,425.22 | 4,595.89 | 1,963,869.78 |
| For depreciation..... | 450,667.41 | 36,890.40 | 4,735.80 | 595,709.67 |
| Other reserves..... | 267,215.97 | 5,382.80 | 200.00 | 6,763.57 |
| Total reserves..... | 943,815.00 | 103,698.42 | 9,531.69 | 2,566,343.02 |
| SURPLUS | | | | |
| Debentures paid..... | 304,851.00 | 18,386.95 | 6,000.00 | 639,150.00 |
| Local sinking fund..... | | | | |
| Operating surplus..... | 1,002,557.91 | 38,290.90 | 1,198.79 | 980,840.55 |
| Total surplus..... | 1,307,408.91 | 56,677.85 | 7,198.79 | 1,619,990.55 |
| Total liabilities, reserves and surplus..... | 2,285,838.89 | 198,480.87 | 16,744.73 | 4,510,758.49 |
| Percentage of net debt to total assets..... | 1.7 | 16.0 | 0.1 | 8.1 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Lakefield | Lambeth | Lanark | Lancaster | La Salle | Leamington | Lindsay |
|------------|-----------|-----------|-----------|-----------|------------|------------|
| 1,372 | P.V. | 734 | 526 | 1,100 | 5,456 | 7,740 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,137.97 | | | | 1,210.68 | 19,644.55 | 10,877.68 |
| 25,888.22 | 10,253.81 | 11,067.33 | 8,789.65 | 26,588.57 | 7,101.97 | 3,176.56 |
| 8,640.96 | 2,990.87 | 5,087.57 | 1,974.75 | 8,916.54 | 64,479.61 | 117,285.45 |
| 8,977.83 | 3,311.71 | 3,218.55 | 2,061.98 | 6,701.23 | 28,333.23 | 12,386.55 |
| 2,018.75 | 1,053.80 | 791.04 | 650.65 | 1,076.35 | 31,555.92 | 46,057.67 |
| 3,681.12 | 300.71 | | 1,068.55 | 1,863.82 | 36,116.47 | 42,218.70 |
| 3,445.25 | | | | | 3,237.49 | 11,754.26 |
| | | | | | 14,478.49 | |
| | | | | | 7,187.69 | 5,668.21 |
| 55,790.10 | 17,910.90 | 20,164.49 | 14,545.58 | 46,357.19 | | |
| 6,100.93 | | 504.09 | 1,678.40 | 484.11 | 212,135.42 | 249,425.08 |
| 21,000.00 | 4,000.00 | | 1,500.00 | 4,000.00 | 100.00 | |
| 226.45 | 47.36 | 142.45 | 49.89 | 301.04 | 47,500.00 | 68,517.22 |
| | | | | 13.61 | 2,768.65 | 478.39 |
| | | | | | 6,030.93 | 10,728.77 |
| 20,286.19 | 14,288.81 | 9,136.30 | 8,592.30 | 21,461.11 | 137,253.63 | 159,931.98 |
| | | | | | 0.29 | |
| 103,403.67 | 36,247.07 | 29,947.33 | 26,366.17 | 72,617.06 | 405,788.92 | 489,081.44 |
| 8,788.40 | | | | | | 19,396.53 |
| 90.07 | 74.05 | | 52.73 | 1,544.97 | 381.96 | 201.99 |
| | 316.17 | | | | 2,299.31 | 3,438.61 |
| 614.53 | 160.00 | 140.00 | 182.53 | 986.58 | 17,715.08 | 4,462.44 |
| 9,493.00 | 550.22 | 140.00 | 235.26 | 2,531.55 | 20,396.35 | 27,499.57 |
| 20,286.19 | 14,288.81 | 9,136.30 | 8,592.30 | 21,461.11 | 137,253.63 | 159,931.98 |
| 19,848.29 | 7,617.31 | 1,469.76 | 3,800.91 | 15,289.80 | 54,338.56 | 65,404.21 |
| | 1,218.59 | | | 171.26 | 22,165.62 | |
| 40,134.48 | 23,124.71 | 10,606.06 | 12,393.21 | 36,922.17 | 213,757.81 | 225,336.19 |
| 24,711.60 | 4,000.00 | 7,316.57 | 9,970.42 | 15,500.00 | 48,000.00 | 110,603.47 |
| 29,064.59 | 8,572.14 | 11,884.70 | 3,767.28 | 17,663.34 | 123,634.76 | 125,642.21 |
| 53,776.19 | 12,572.14 | 19,201.27 | 13,737.70 | 33,163.34 | 171,634.76 | 236,245.68 |
| 103,403.67 | 36,247.07 | 29,947.33 | 26,366.17 | 72,617.06 | 405,788.92 | 489,081.44 |
| 11.4 | 2.5 | 0.7 | 1.3 | 4.9 | 2.3 | 8.4 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Listowel | London | London Twp. V.A. | Long Branch 5,186 | Lucan |
|----------------------------------------------|--------------|--------------|------------------------|-------------------------|--------------|
| Population..... | 3,209 | 79,562 | | | 570 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 1,459.49 | 459,951.82 | | | 375.45 |
| Substation equipment..... | | 1,024,565.18 | | | |
| Distribution system—overhead..... | 52,536.04 | 874,681.07 | 26,032.85 | 66,310.90 | 12,167.73 |
| Distribution system—underground..... | 5,890.13 | 475,039.02 | | | |
| Line transformers..... | 28,046.18 | 481,000.23 | 9,665.55 | 22,738.79 | 5,584.18 |
| Meters..... | 21,019.99 | 426,155.65 | 7,364.84 | 27,157.81 | 4,413.04 |
| Street light equipment, regular..... | 3,971.21 | 76,522.78 | 1,884.85 | 8,270.46 | 4,549.30 |
| Street light equipment, ornamental..... | 1,539.79 | 92,286.12 | | | |
| Miscellaneous construction expense..... | 2,132.43 | 157,533.76 | 1,555.70 | 1,257.66 | 445.57 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | | |
| Total plant..... | 116,595.26 | 4,067,735.63 | 46,503.79 | 125,735.62 | 27,535.27 |
| Bank and cash balance..... | 471.79 | 1,000.00 | 2,539.87 | 569.83 | 1,012.21 |
| Securities and investments..... | 20,000.00 | 1,356,500.00 | 6,000.00 | 40,000.00 | 10,500.00 |
| Accounts receivable..... | 693.36 | 288,774.25 | 1,233.63 | 21,105.38 | 9.29 |
| Inventories..... | 119.91 | 125,452.21 | | | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 118,686.41 | 3,568,695.09 | 33,222.35 | 48,147.63 | 25,938.50 |
| Other assets..... | 171.52 | 4,682.61 | | | |
| Total assets..... | 256,738.25 | 9,412,839.79 | 89,499.64 | 235,558.46 | 64,995.27 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 3,023.92 | 420.21 | | |
| Accounts payable..... | 1,569.54 | 106,875.50 | 1,356.08 | 569.53 | 107.98 |
| Bank overdraft..... | 1,062.30 | 68,480.94 | | | |
| Other liabilities..... | 471.79 | 102,164.14 | 449.00 | 2,569.83 | 217.00 |
| Total liabilities..... | 3,103.63 | 280,544.50 | 2,225.29 | 3,139.36 | 324.98 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 118,686.41 | 3,568,695.09 | 33,222.35 | 48,147.63 | 25,938.50 |
| For depreciation..... | 61,732.62 | 1,887,563.83 | 15,478.54 | 35,472.89 | 11,903.10 |
| Other reserves..... | 2,500.00 | 644,844.02 | 3.82 | 16,186.20 | |
| Total reserves..... | 182,919.03 | 6,101,102.94 | 48,704.71 | 99,806.72 | 37,841.60 |
| SURPLUS | | | | | |
| Debentures paid..... | 43,189.89 | 1,578,876.08 | 18,579.79 | 40,304.60 | 11,213.62 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 27,525.70 | 1,452,316.27 | 19,989.85 | 92,307.78 | 15,615.07 |
| Total surplus..... | 70,715.59 | 3,031,192.35 | 38,569.64 | 132,612.38 | 26,828.69 |
| Total liabilities, reserves and surplus..... | 256,738.25 | 9,412,839.79 | 89,499.64 | 235,558.46 | 64,995.27 |
| Percentage of net debt to total assets..... | 1.1 | 3.3 | 2.5 | 1.6 | 0.8 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Lucknow | Lynden | Madoc | Markdale | Markham | Marmora | Martintown |
|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| 928 | P.V. | 1,090 | 722 | 1,173 | 965 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 241.18 | 100.00 | ..... | ..... | ..... | 126.15 |
| ..... | ..... | ..... | 780.80 | ..... | ..... | ..... |
| 21,600.71 | 4,982.72 | 14,070.35 | 11,555.35 | 21,214.38 | 14,297.01 | 2,932.57 |
| | | | | | | |
| 12,460.71 | 3,136.23 | 6,242.05 | 6,472.80 | 12,693.45 | 4,042.41 | 1,308.76 |
| 6,905.94 | 2,564.32 | 6,109.61 | 5,494.21 | 9,422.67 | 4,315.22 | 1,196.29 |
| 1,509.55 | 636.01 | 1,577.14 | 1,390.15 | 1,160.91 | 1,193.23 | 354.94 |
| | | | | | | |
| 2,313.58 | 193.57 | ..... | 586.56 | 1,631.13 | 2,283.94 | 690.21 |
| | | | | | | |
| ..... | ..... | ..... | 2,080.65 | ..... | 573.62 | ..... |
| | | | | | | |
| 44,790.49 | 11,754.03 | 28,099.15 | 28,360.52 | 46,122.54 | 26,705.43 | 6,608.92 |
| | | | | | | |
| 5,403.70 | 422.36 | 1,545.68 | 1,883.15 | 714.21 | 2,446.87 | 1,538.75 |
| 10,000.00 | 5,000.00 | 10,000.00 | 12,155.13 | 16,000.00 | 8,000.00 | 2,500.00 |
| 308.94 | 510.90 | 765.99 | 86.12 | 184.30 | 802.32 | 178.40 |
| ..... | ..... | ..... | ..... | ..... | 357.83 | ..... |
| | | | | | | |
| 30,666.95 | 18,168.86 | 12,527.42 | 15,285.42 | 29,374.59 | 8,799.93 | 3,087.48 |
| | | | | | | |
| | | | | | | |
| 91,170.08 | 35,856.15 | 52,938.24 | 57,770.34 | 92,395.64 | 47,112.38 | 13,913.55 |
| | | | | | | |
| | | | | | | |
| 91.64 | 26.16 | 292.87 | 69.84 | ..... | 96.48 | 295.32 |
| | | | | | | |
| ..... | 26.00 | 471.64 | 177.00 | 205.00 | 260.00 | 5.00 |
| | | | | | | |
| 91.64 | 52.16 | 764.51 | 246.84 | 205.00 | 356.48 | 300.32 |
| | | | | | | |
| | | | | | | |
| 30,666.95 | 18,168.86 | 12,527.42 | 15,285.42 | 29,374.59 | 8,799.93 | 3,087.48 |
| 8,207.33 | 5,168.07 | 1,597.82 | 11,821.11 | 8,993.47 | 7,519.68 | 2,467.08 |
| 6,750.00 | ..... | ..... | 1,000.00 | 3,032.39 | ..... | 81.02 |
| | | | | | | |
| 45,624.28 | 23,336.93 | 14,125.24 | 28,106.53 | 41,400.45 | 16,319.61 | 5,635.58 |
| | | | | | | |
| | | | | | | |
| 19,713.16 | 4,495.00 | 14,000.00 | 9,000.00 | 11,373.63 | 17,666.11 | 6,000.00 |
| | | | | | | |
| 25,741.00 | 7,972.06 | 24,048.49 | 20,416.97 | 39,416.56 | 12,770.18 | 1,977.65 |
| | | | | | | |
| 45,454.16 | 12,467.06 | 38,048.49 | 29,416.97 | 50,790.19 | 30,436.29 | 7,977.65 |
| | | | | | | |
| 91,170.08 | 35,856.15 | 52,938.24 | 57,770.34 | 92,395.64 | 47,112.38 | 13,913.55 |
| | | | | | | |
| 0.1 | 0.3 | 1.9 | 0.6 | 0.3 | 0.9 | 2.8 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Maxville | Meaford | Merlin | Merritton | Midland |
|------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population..... | 807 | 2,650 | P.V. | 3,407 | 6,863 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 1,144.18 | 2,350.00 | 6,764.41 | 19,983.57 | |
| Substation equipment..... | 407.79 | 4,093.47 | 84,395.94 | 85,419.70 | |
| Distribution system—overhead.... | 12,101.95 | 37,884.68 | 9,788.48 | 45,310.18 | 102,305.14 |
| Distribution system—underground.. | | | | | |
| Line transformers..... | 2,420.14 | 11,798.47 | 4,279.31 | 17,467.82 | 32,255.71 |
| Meters..... | 3,560.21 | 13,700.79 | 3,317.06 | 19,664.56 | 45,102.47 |
| Street light equipment, regular.... | 2,055.15 | 4,112.20 | 570.46 | 5,275.32 | 19,322.71 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 2,392.42 | 3,827.63 | 587.99 | 5,770.37 | 462.75 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | | |
| Total plant..... | 22,937.66 | 76,561.42 | 20,893.30 | 184,648.60 | 304,852.05 |
| Bank and cash balance..... | 36.85 | 2,820.25 | 1,176.71 | 36,668.20 | 63,511.87 |
| Securities and investments..... | 9,100.00 | 28,000.00 | 13,200.00 | 77,000.00 | 66,000.00 |
| Accounts receivable..... | 119.11 | 199.04 | 201.76 | 207.78 | 8,474.82 |
| Inventories..... | | 32.88 | 130.61 | 384.31 | 5,820.02 |
| Sinking fund on local debentures.. | | | | | |
| Equity in H-E.P.C. systems..... | 13,759.74 | 47,346.67 | 16,211.00 | 300,379.83 | 323,307.88 |
| Other assets..... | | 12.20 | | 167.02 | 137.25 |
| Total assets..... | 45,953.36 | 154,972.46 | 51,813.38 | 599,455.74 | 772,103.89 |
| LIABILITIES | | | | | |
| Debenture balance..... | | | | | |
| Accounts payable..... | 397.74 | 210.04 | 378.36 | 297.50 | 311.30 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 139.89 | 1,104.26 | 110.00 | 758.88 | 1,493.65 |
| Total liabilities..... | 537.63 | 1,314.30 | 488.36 | 1,056.38 | 1,804.95 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 13,759.74 | 47,346.67 | 16,211.00 | 300,379.83 | 323,307.88 |
| For depreciation..... | 7,909.35 | 23,146.70 | 6,654.19 | 42,784.70 | 237,888.03 |
| Other reserves..... | 356.07 | 46.65 | 23.40 | 27,000.00 | 1,303.06 |
| Total reserves..... | 22,025.16 | 70,540.02 | 22,888.59 | 370,164.53 | 562,498.97 |
| SURPLUS | | | | | |
| Debentures paid..... | 16,000.00 | 49,360.20 | 13,122.36 | 32,186.21 | 111,944.99 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 7,390.57 | 33,757.94 | 15,314.07 | 196,048.62 | 95,854.98 |
| Total surplus..... | 23,390.57 | 83,118.14 | 28,436.43 | 228,234.83 | 207,799.97 |
| Total liabilities, reserves and surplus. | 45,953.36 | 154,972.46 | 51,813.38 | 599,455.74 | 772,103.89 |
| Percentage of net debt to total assets. | 1.7 | 1.2 | 1.4 | 0.4 | 0.4 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Mildmay | Millbrook | Milton | Milverton | Mimico | Mitchell | Moorefield |
|-----------|-----------|------------|------------|------------|------------|------------|
| 767 | 679 | 1,893 | 961 | 8,353 | 1,560 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | ..... | 14,514.88 | 761.88 | 33,409.26 | 19,697.29 | ..... |
| ..... | ..... | 16,456.16 | ..... | 43,269.83 | 16,526.28 | ..... |
| 7,540.60 | 6,746.49 | 26,688.91 | 13,306.34 | 89,749.12 | 33,523.53 | 4,452.04 |
| | | | | | | |
| 3,685.51 | 1,772.56 | 20,080.15 | 12,020.24 | 50,636.23 | 20,494.69 | 2,909.16 |
| 3,667.30 | 2,365.34 | 17,725.67 | 6,424.03 | 40,018.68 | 16,039.15 | 1,798.91 |
| 638.24 | 595.65 | 5,525.79 | 848.75 | 10,626.83 | 7,495.15 | 295.88 |
| | | | | | | |
| 1,038.66 | 79.92 | 4,301.75 | 623.67 | 3,951.72 | 1,760.93 | 350.25 |
| | | | | | | |
| 849.00 | ..... | ..... | ..... | ..... | 1,380.00 | ..... |
| | | | | | | |
| 17,419.31 | 11,559.96 | 105,293.31 | 33,984.91 | 271,661.67 | 116,917.02 | 9,806.24 |
| | | | | | | |
| 1,281.02 | 4,361.71 | 5,630.32 | 2,186.17 | 63.81 | 70.00 | 609.43 |
| 10,000.00 | 4,000.00 | 38,000.00 | 6,500.00 | 55,000.00 | 27,050.00 | 500.00 |
| ..... | 46.54 | 1,002.87 | 160.83 | 1,186.50 | 7,465.27 | 48.88 |
| ..... | ..... | 4,363.22 | ..... | ..... | 6,791.15 | ..... |
| | | | | | | |
| 6,090.54 | 2,006.48 | 144,676.33 | 59,212.62 | 208,296.05 | 65,554.34 | 8,865.11 |
| ..... | ..... | ..... | 3.38 | 44.37 | 2.96 | ..... |
| | | | | | | |
| 34,790.87 | 21,974.69 | 298,966.05 | 102,047.91 | 536,252.40 | 223,850.74 | 19,829.66 |
| | | | | | | |
| 5,498.78 | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | .24 | 6,058.53 | 122.54 | 10.40 | 655.66 | 92.28 |
| ..... | ..... | ..... | ..... | ..... | 403.92 | ..... |
| 514.85 | 182.67 | 688.13 | ..... | 5,389.00 | 305.00 | 8.00 |
| | | | | | | |
| 6,013.63 | 182.91 | 6,746.66 | 122.54 | 5,399.40 | 1,364.58 | 100.28 |
| | | | | | | |
| 6,090.54 | 2,006.48 | 144,676.33 | 59,212.62 | 208,296.05 | 65,554.34 | 8,865.11 |
| 4,045.00 | 1,156.81 | 33,650.43 | 10,614.26 | 101,964.73 | 51,942.95 | 3,618.17 |
| ..... | ..... | 10,176.28 | ..... | 18,078.09 | 1,267.05 | ..... |
| | | | | | | |
| 10,135.54 | 3,163.29 | 188,503.04 | 69,826.88 | 328,338.87 | 118,764.34 | 12,483.28 |
| | | | | | | |
| 6,804.72 | 9,000.00 | 33,046.41 | 9,500.00 | 127,000.00 | 22,295.22 | 4,500.00 |
| | | | | | | |
| 11,836.98 | 9,628.49 | 70,669.94 | 22,598.49 | 75,514.13 | 81,426.60 | 2,746.10 |
| | | | | | | |
| 18,641.70 | 18,628.49 | 103,716.35 | 32,098.49 | 202,514.13 | 103,721.82 | 7,246.10 |
| | | | | | | |
| 34,790.87 | 21,974.69 | 298,966.05 | 102,047.91 | 536,252.40 | 223,850.74 | 19,829.66 |
| | | | | | | |
| 20.9 | 0.9 | 4.4 | 0.3 | 1.6 | 0.9 | 1.0 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Morris- burg 1,436 | Mount Brydges P.V. | Mount Forest 1,787 | Napanee 3,362 | Neustadt 418 |
|------------------------------------------|--------------------------|--------------------------|--------------------------|------------------|-----------------|
| Population..... | | | | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 4,980.00 | | 3,726.00 | 16,354.36 | |
| Substation equipment..... | 4,457.21 | | 686.75 | 2,358.27 | |
| Distribution system—overhead... | 12,800.19 | 8,365.14 | 24,026.51 | 51,887.80 | 11,175.97 |
| Distribution system—underground... | | | | | |
| Line transformers..... | 6,539.56 | 1,845.43 | 9,800.58 | 14,859.79 | 5,078.22 |
| Meters..... | 8,096.88 | 3,339.47 | 10,039.01 | 22,250.15 | 3,209.34 |
| Street light equipment, regular.... | 1,957.70 | 1,385.36 | 2,397.89 | 4,853.01 | 496.41 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 546.34 | 105.90 | 1,888.42 | 6,252.13 | 1,495.88 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | 3,364.41 | | 3,810.95 | | |
| Total plant..... | 42,742.29 | 15,041.30 | 56,376.11 | 118,815.51 | 21,455.82 |
| Bank and cash balance..... | 4,407.41 | 1,038.21 | 3,242.52 | 1,340.08 | 3,214.83 |
| Securities and investments..... | 8,000.00 | 14,000.00 | 13,000.00 | 12,800.00 | 11,700.00 |
| Accounts receivable..... | 297.74 | 648.28 | 164.63 | 10,068.52 | 61.39 |
| Inventories..... | | | 48.27 | 7,787.32 | |
| Sinking fund on local debentures... | | | | | |
| Equity in H-E.P.C. systems..... | 4,912.48 | 11,072.05 | 49,103.00 | 65,618.22 | 8,715.92 |
| Other assets..... | | | | 13.72 | |
| Total assets..... | 60,359.92 | 41,799.84 | 121,934.53 | 216,443.37 | 45,147.96 |
| LIABILITIES | | | | | |
| Debenture balance..... | 2,149.58 | | | | |
| Accounts payable..... | 497.19 | 565.48 | 41.88 | | 173.48 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 1,781.32 | 150.66 | 285.00 | 1,230.91 | 148.85 |
| Total liabilities..... | 4,428.09 | 716.14 | 326.88 | 1,230.91 | 322.33 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 4,912.48 | 11,072.05 | 49,103.00 | 65,618.22 | 8,715.92 |
| For depreciation..... | 3,335.84 | 6,623.53 | 28,964.43 | 22,406.69 | 11,680.04 |
| Other reserves..... | 6,927.13 | 97.38 | 1,500.00 | 2,500.00 | |
| Total reserves..... | 15,175.45 | 17,792.96 | 79,567.43 | 90,524.91 | 20,395.96 |
| SURPLUS | | | | | |
| Debentures paid..... | 32,423.70 | 4,220.00 | 30,958.60 | 70,000.00 | 17,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 8,332.68 | 19,070.74 | 11,081.62 | 54,687.55 | 7,429.67 |
| Total surplus..... | 40,756.38 | 23,290.74 | 42,040.22 | 124,687.55 | 24,429.67 |
| Total liabilities, reserves and surplus. | 60,359.92 | 41,799.84 | 121,934.53 | 216,443.37 | 45,147.96 |
| Percentage of net debt to total assets. | 8.0 | 2.3 | 0.4 | 0.8 | 0.9 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Newbury 207 | Newcastle 675 | New Hamburg 1,456 | Newmarket 3,990 | New Toronto 7,182 | Niagara Falls 19,138 |
|----------------|------------------|-------------------------|--------------------|----------------------|-------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | 107.37 | 4,203.21 | 4,000.00 | 47,433.92 | 130,662.86 |
| ..... | ..... | 1,319.80 | 5,000.00 | ..... | 280,817.49 |
| 7,020.68 | 15,473.54 | 25,438.47 | 54,869.24 | 105,483.73 | 217,032.27 |
| ..... | ..... | ..... | ..... | 17,198.72 | ..... |
| 1,571.26 | 4,673.83 | 12,129.44 | 30,304.87 | 53,056.67 | 219,063.54 |
| 1,514.19 | 4,293.72 | 12,005.20 | 23,475.88 | 45,910.16 | 132,906.24 |
| 881.47 | 980.51 | 2,274.20 | 6,810.23 | 10,545.44 | 118,826.62 |
| | | | | | |
| 504.57 | 1,544.00 | 616.97 | 2,231.40 | 6,303.40 | 23,574.59 |
| | | | | | |
| ..... | ..... | 5,242.56 | ..... | ..... | ..... |
| 11,492.17 | 27,072.97 | 63,229.85 | 126,691.62 | 285,932.04 | 1,122,883.61 |
| | | | | | |
| 977.08 | 476.75 | 282.48 | 25.00 | 17,479.62 | 9,419.65 |
| 6,500.00 | 9,000.00 | 18,100.00 | ..... | 134,000.00 | 230,000.00 |
| 427.26 | 319.34 | 489.44 | 595.76 | 2,814.58 | 2,176.35 |
| ..... | ..... | 1,027.14 | 95.42 | 4,570.86 | 31,913.90 |
| | | | | | |
| 6,221.50 | 4,433.69 | 70,114.57 | 2,665.15 | 707,943.24 | 806,229.74 |
| ..... | ..... | ..... | ..... | ..... | 684.49 |
| | | | | | |
| 25,618.01 | 41,302.75 | 153,243.48 | 130,072.95 | 1,152,740.34 | 2,203,307.74 |
| | | | | | |
| ..... | ..... | ..... | 4,000.00 | ..... | 21,340.21 |
| ..... | 2.80 | 163.88 | 342.02 | 1,132.64 | 2,637.95 |
| ..... | ..... | ..... | 1,896.23 | ..... | 3,236.84 |
| 42.84 | ..... | 161.50 | ..... | 6,478.01 | 20,194.12 |
| | | | | | |
| 42.84 | 2.80 | 325.38 | 6,238.25 | 7,610.65 | 47,409.12 |
| | | | | | |
| 6,221.50 | 4,433.69 | 70,114.57 | 2,665.15 | 707,943.24 | 806,229.74 |
| 6,446.91 | 12,104.25 | 20,991.66 | 42,194.38 | 92,868.34 | 371,862.44 |
| ..... | ..... | 4,633.83 | ..... | 366.15 | 16,064.76 |
| | | | | | |
| 12,668.41 | 16,537.94 | 95,740.06 | 44,859.53 | 801,177.73 | 1,194,156.94 |
| | | | | | |
| 9,754.39 | 14,000.00 | 17,729.08 | 1,000.00 | 8,000.00 | 668,902.79 |
| | | | | | |
| 3,152.37 | 10,762.01 | 39,448.96 | 77,975.17 | 335,951.96 | 292,838.89 |
| | | | | | |
| 12,906.76 | 24,762.01 | 57,178.04 | 78,975.17 | 343,951.96 | 961,741.68 |
| | | | | | |
| 25,618.01 | 41,302.75 | 153,243.48 | 130,072.95 | 1,152,740.34 | 2,203,307.74 |
| | | | | | |
| 0.2 | 0.0 | 0.4 | 4.9 | 1.7 | 3.4 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Niagara-on-the-Lake 1,802 | North York Twp. V.A. | Norwich 1,249 | Norwood 685 | Oil Springs 396 |
|----------------------------------------------|------------------------------|----------------------------|------------------|----------------|-----------------------|
| Population..... | | | | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 2,320.00 | 48,339.66 | 4,660.42 | ..... | 6,299.16 |
| Substation equipment..... | 24,212.17 | 80,574.14 | ..... | 457.53 | 2,461.78 |
| Distribution system—overhead..... | 43,148.08 | 572,037.95 | 11,926.99 | 24,189.34 | 15,436.94 |
| Distribution system—underground..... | ..... | ..... | ..... | ..... | ..... |
| Line transformers..... | 25,175.05 | 199,963.48 | 8,749.38 | 6,019.00 | 6,828.29 |
| Meters..... | 15,582.62 | 149,305.70 | 9,253.43 | 6,373.24 | 4,455.07 |
| Street light equipment, regular..... | 4,767.84 | 156.00 | 4,685.64 | 1,837.92 | 308.24 |
| Street light equipment, ornamental..... | ..... | 36,638.38 | ..... | ..... | ..... |
| Miscellaneous construction expense..... | 3,737.54 | 36,734.37 | 972.98 | 3,582.30 | 1,472.74 |
| Steam or hydraulic plant..... | ..... | ..... | ..... | ..... | ..... |
| Old plant..... | ..... | ..... | ..... | 2,447.51 | ..... |
| Total plant..... | 118,943.30 | 1,123,749.68 | 40,248.84 | 44,906.84 | 37,262.22 |
| Bank and cash balance..... | 6,500.41 | 18,487.73 | 1,433.51 | 2,427.82 | 4,098.04 |
| Securities and investments..... | ..... | 30,000.00 | 14,000.00 | 20,500.00 | 8,500.00 |
| Accounts receivable..... | 1,176.21 | 15,311.35 | 1,352.32 | 1,009.00 | 122.00 |
| Inventories..... | 4,790.92 | 33,458.94 | 1,979.90 | ..... | 193.21 |
| Sinking fund on local debentures..... | ..... | ..... | ..... | ..... | ..... |
| Equity in H-E.P.C. systems..... | 48,056.91 | 304,381.95 | 51,761.00 | 9,122.15 | 33,953.24 |
| Other assets..... | 0.30 | ..... | 48.15 | ..... | ..... |
| Total assets..... | 179,468.05 | 1,525,389.65 | 110,823.72 | 77,965.81 | 84,128.71 |
| LIABILITIES | | | | | |
| Debenture balance..... | 14,115.14 | 90,630.96 | ..... | 8,342.35 | ..... |
| Accounts payable..... | 1,264.05 | 40,427.25 | 167.58 | 278.98 | 226.27 |
| Bank overdraft..... | ..... | ..... | ..... | ..... | ..... |
| Other liabilities..... | 454.30 | 50,467.26 | 387.32 | 596.88 | 17.80 |
| Total liabilities..... | 15,833.49 | 181,525.47 | 554.90 | 9,218.21 | 244.07 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 48,056.91 | 304,381.95 | 51,761.00 | 9,122.15 | 33,953.24 |
| For depreciation..... | 24,813.98 | 257,009.26 | 12,573.82 | 18,870.29 | 14,562.91 |
| Other reserves..... | 701.86 | 1,615.30 | 559.96 | ..... | 1,285.23 |
| Total reserves..... | 73,572.75 | 563,006.51 | 64,894.78 | 27,992.44 | 49,801.38 |
| SURPLUS | | | | | |
| Debentures paid..... | 34,386.28 | 437,390.91 | 13,756.00 | 28,757.65 | 16,721.31 |
| Local sinking fund..... | ..... | ..... | ..... | ..... | ..... |
| Operating surplus..... | 55,675.53 | 343,466.76 | 31,618.04 | 11,997.51 | 17,361.95 |
| Total surplus..... | 90,061.81 | 780,857.67 | 45,374.04 | 40,755.16 | 34,083.26 |
| Total liabilities, reserves and surplus..... | 179,468.05 | 1,525,389.65 | 110,823.72 | 77,965.81 | 84,128.71 |
| Percentage of net debt to total assets..... | 12.0 | 12.2 | 0.5 | 13.4 | 0.6 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Omemece | Orangeville | Orono | Oshawa | Ottawa | Otterville |
|-----------|-------------|-----------|--------------|--------------|------------|
| 598 | 2,633 | P.V. | 26,454 | 163,690 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 360.32 | 2,585.07 | | 72,407.61 | 580,137.53 | |
| 16,569.45 | 1,169.00 | | 67,336.66 | 1,112,447.29 | |
| | 40,043.75 | 6,322.75 | 324,950.89 | 955,007.16 | 9,277.01 |
| | | | 463.73 | 290,069.75 | |
| 8,199.52 | 16,217.96 | 2,066.57 | 107,190.90 | 435,093.61 | 5,589.30 |
| 3,931.14 | 16,228.11 | 2,469.25 | 147,756.66 | 326,885.89 | 3,575.35 |
| 805.48 | 7,601.62 | 1,285.76 | 21,483.51 | 126,849.45 | 1,722.75 |
| | | | | | |
| 1,405.00 | 6,155.82 | 762.59 | 14,590.98 | 39,415.08 | 500.73 |
| | | | | | |
| | | | 6,431.65 | | |
| | | | | | |
| 31,270.91 | 90,001.33 | 12,906.92 | 762,612.59 | 3,865,905.76 | 20,665.14 |
| | | | | | |
| 535.50 | 3,844.04 | 1,659.57 | 100,713.21 | 470,778.21 | 764.13 |
| 8,000.00 | 23,000.00 | 5,000.00 | 285,000.00 | 1,140,000.00 | 6,500.00 |
| 582.92 | 364.42 | .84 | 88,364.14 | 97,111.21 | 23.38 |
| | 270.74 | | 34,622.38 | 42,781.11 | 513.00 |
| | | | | 246,700.77 | |
| 3,094.14 | 66,932.91 | 2,139.58 | 847,523.30 | 363,690.62 | 12,801.17 |
| | 12.86 | | 553.45 | | |
| | | | | | |
| 43,483.47 | 184,426.30 | 21,706.91 | 2,119,389.07 | 6,226,976.68 | 41,266.82 |
| | | | | | |
| | | | | 96,241.43 | |
| 1,854.61 | 226.07 | 3.03 | 57,729.91 | 85,207.73 | 80.03 |
| | | | | | |
| 151.79 | 138.00 | | 27,778.78 | 24,063.40 | 83.88 |
| | | | | | |
| 2,006.40 | 364.07 | 3.03 | 85,508.69 | 205,512.56 | 163.91 |
| | | | | | |
| | | | | | |
| 3,094.14 | 66,932.91 | 2,139.58 | 847,523.30 | 363,690.62 | 12,801.17 |
| 13,960.59 | 40,228.86 | 1,000.17 | 137,604.51 | 2,016,639.69 | 8,930.62 |
| | | 1,000.00 | 75,768.97 | 681,177.13 | |
| | | | | | |
| 17,054.73 | 107,161.77 | 4,139.75 | 1,060,896.78 | 3,061,507.44 | 21,731.79 |
| | | | | | |
| | | | | | |
| 12,000.00 | 35,900.00 | 8,000.00 | 310,000.00 | 883,758.57 | 4,500.00 |
| | | | | 246,700.77 | |
| 12,422.34 | 41,000.46 | 9,564.13 | 662,983.60 | 1,829,488.34 | 14,871.12 |
| | | | | | |
| 24,422.34 | 76,900.46 | 17,564.13 | 972,983.60 | 2,959,947.68 | 19,371.12 |
| | | | | | |
| 43,483.47 | 184,426.30 | 21,706.91 | 2,119,389.07 | 6,226,967.68 | 41,266.82 |
| | | | | | |
| 5.0 | 0.3 | 0.0 | 6.7 | 1.9 | 0.6 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Owen Sound 14,014 | Paisley 585 | Palmerston 1,379 | Paris 4,531 | Parkhill 802 |
|----------------------------------------------|-------------------------|----------------|---------------------|----------------|-----------------|
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 30,235.43 | 1,923.46 | 1,346.28 | 13,070.15 | ..... |
| Substation equipment..... | 39,406.72 | 15,072.33 | 33,585.57 | 49,995.08 | ..... |
| Distribution system—overhead..... | 143,800.28 | 5,082.92 | 12,373.71 | 58,722.50 | 21,390.68 |
| Distribution system—underground..... | 77,356.08 | 3,965.72 | 9,938.55 | 32,577.16 | 11,273.20 |
| Line transformers..... | 80,021.79 | 1,071.77 | 6,855.26 | 23,929.06 | 5,536.06 |
| Meters..... | 31,556.58 | 782.88 | 830.11 | 14,112.53 | 1,896.65 |
| Street light equipment, regular..... | 2,515.92 | ..... | ..... | 1,082.93 | 1,944.49 |
| Street light equipment, ornamental | ..... | ..... | ..... | ..... | ..... |
| Miscellaneous construction expense | ..... | ..... | ..... | ..... | ..... |
| Steam or hydraulic plant..... | ..... | ..... | ..... | ..... | ..... |
| Old plant..... | ..... | ..... | ..... | ..... | ..... |
| Total plant..... | 404,892.80 | 27,899.08 | 64,929.48 | 193,489.41 | 42,041.08 |
| Bank and cash balance..... | ..... | 715.64 | 1,246.75 | 3,143.67 | ..... |
| Securities and investments..... | 32,500.00 | 5,500.00 | 16,100.00 | 42,500.00 | 5,000.00 |
| Accounts receivable..... | 3,676.86 | 63.34 | 589.05 | 307.50 | 386.83 |
| Inventories..... | 26,674.68 | ..... | 2,603.73 | ..... | ..... |
| Sinking fund on local debentures..... | 332,313.06 | 16,026.27 | 63,035.14 | 163,053.06 | 27,939.79 |
| Equity in H-E.P.C. systems..... | ..... | ..... | 19.58 | 158.39 | 240.00 |
| Other assets..... | ..... | ..... | ..... | ..... | ..... |
| Total assets..... | 800,057.40 | 50,204.33 | 148,523.73 | 402,652.03 | 75,607.70 |
| LIABILITIES | ..... | ..... | ..... | ..... | ..... |
| Debenture balance..... | 22,727.59 | 141.63 | 674.94 | 478.40 | 586.43 |
| Accounts payable..... | 275.13 | ..... | ..... | ..... | 78.44 |
| Bank overdraft..... | 8,269.07 | 67.42 | 250.20 | ..... | 139.07 |
| Other liabilities..... | ..... | ..... | ..... | ..... | ..... |
| Total liabilities..... | 31,271.79 | 209.05 | 925.14 | 478.40 | 803.94 |
| RESERVES | ..... | ..... | ..... | ..... | ..... |
| For equity in H-E.P.C. systems..... | 332,313.06 | 16,026.27 | 63,035.14 | 163,053.06 | 27,939.79 |
| For depreciation..... | 114,742.30 | 8,080.34 | 20,593.14 | 93,184.21 | 11,891.88 |
| Other reserves..... | 285.02 | 1,000.00 | 319.84 | 120.22 | 2,700.00 |
| Total reserves..... | 447,340.38 | 25,106.61 | 83,948.12 | 256,357.49 | 42,531.67 |
| SURPLUS | ..... | ..... | ..... | ..... | ..... |
| Debentures paid..... | 107,718.00 | 16,000.00 | 27,000.00 | 92,000.00 | 14,630.02 |
| Local sinking fund..... | 213,727.23 | 8,888.67 | 36,650.47 | 53,816.14 | 17,642.07 |
| Operating surplus..... | 321,445.23 | 24,888.67 | 63,650.47 | 145,816.14 | 32,272.09 |
| Total surplus..... | 800,057.40 | 50,204.33 | 148,523.73 | 402,652.03 | 75,607.70 |
| Total liabilities, reserves and surplus..... | ..... | ..... | ..... | ..... | ..... |
| Percentage of net debt to total assets..... | 6.7 | 0.6 | 1.1 | 0.2 | 1.7 |

"A"—Continued

Hydro Municipalities as at December 31, 1946

| Penetan- guishene 3,894 | Perth 4,265 | Peterborough 32,242 | Petrolia 2,684 | Picton 3,542 | Plattsville P.V. |
|-------------------------------|----------------|------------------------|-------------------|-----------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,288.05 | 5,109.34 | 82,688.86 | 37,707.52 | 10,944.23 | ..... |
| 7,161.13 | 6,961.44 | 131,251.87 | 5,956.75 | 2,004.66 | ..... |
| 55,512.25 | 50,031.23 | 413,458.25 | 52,287.96 | 45,276.06 | 4,932.39 |
| | | | | | |
| 23,441.51 | 32,753.43 | 187,371.79 | 37,716.26 | 20,272.51 | 2,432.95 |
| 21,154.05 | 25,713.44 | 161,785.10 | 18,735.96 | 24,628.40 | 2,945.32 |
| 4,040.41 | 5,408.88 | 68,629.57 | 7,110.70 | 10,601.26 | 158.29 |
| | | | | | |
| 796.79 | 5,263.70 | 14,169.17 | 6,246.18 | 4,042.59 | 571.56 |
| | | | | | |
| ..... | 23,354.70 | ..... | ..... | ..... | ..... |
| 114,394.19 | 154,596.16 | 1,059,354.61 | 165,761.33 | 117,769.71 | 11,040.51 |
| 4,691.89 | 14,015.52 | 25,446.86 | 50.00 | ..... | 2,685.41 |
| 40,000.00 | 82,500.00 | 315,000.00 | 15,000.00 | 51,500.00 | 9,500.00 |
| 1,267.74 | 4,512.62 | 54,894.44 | 3,089.94 | 1,429.94 | 64.47 |
| 158.56 | 16,687.84 | 35,596.64 | 3,396.31 | 7,733.62 | ..... |
| ..... | ..... | 24,191.76 | ..... | ..... | ..... |
| 91,967.97 | 104,273.63 | 505,787.84 | 144,101.49 | 81,956.92 | 13,557.02 |
| ..... | ..... | 171.73 | 320.00 | ..... | ..... |
| 252,480.35 | 376,585.77 | 2,020,443.88 | 331,719.07 | 260,390.19 | 36,847.41 |
| | | | | | |
| ..... | 19,116.66 | 53,000.00 | ..... | ..... | ..... |
| 230.76 | ..... | 45,274.08 | 1,285.64 | 377.33 | 24.42 |
| ..... | ..... | ..... | 1,125.40 | 4,162.82 | ..... |
| 964.50 | 3,112.98 | 465.00 | 1,227.56 | 4,505.52 | ..... |
| 1,195.26 | 22,229.64 | 98,739.08 | 3,638.60 | 9,045.67 | 24.42 |
| | | | | | |
| 91,967.97 | 104,273.63 | 505,787.84 | 144,101.49 | 81,956.92 | 13,557.02 |
| 58,829.61 | 78,593.44 | 309,410.71 | 50,750.85 | 30,794.79 | 5,253.39 |
| 16,888.55 | 4,535.61 | 1,237.30 | 122.45 | 14,468.91 | ..... |
| 167,686.13 | 187,402.68 | 816,435.85 | 194,974.79 | 127,220.62 | 18,810.41 |
| | | | | | |
| 36,982.95 | 89,283.34 | 447,610.67 | 50,000.00 | 5,730.32 | 5,237.00 |
| ..... | ..... | 24,191.76 | ..... | ..... | ..... |
| 46,616.01 | 77,670.11 | 633,466.52 | 83,105.68 | 118,393.58 | 12,775.58 |
| 83,598.96 | 166,953.45 | 1,105,268.95 | 133,105.68 | 124,123.90 | 18,012.58 |
| 252,480.35 | 376,585.77 | 2,020,443.88 | 331,719.07 | 260,390.19 | 36,847.41 |
| 0.7 | 8.2 | 6.6 | 1.9 | 5.3 | 0.1 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Point Edward 1,360 | Port Colborne 7,187 | Port Credit 2,250 | Port Dalhousie 1,747 | Port Dover 2,073 |
|------------------------------------------|--------------------------|---------------------------|-------------------------|----------------------------|------------------------|
| Population..... | | | | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 30,326.10 | 675.00 | | 248.75 |
| Substation equipment..... | | | | | |
| Distribution system—overhead... | 24,835.25 | 91,726.92 | 42,705.25 | 24,617.22 | 42,508.97 |
| Distribution system—underground. | | | | | |
| Line transformers..... | 8,906.84 | 36,634.03 | 17,523.51 | 15,782.39 | 22,372.54 |
| Meters..... | 7,644.35 | 32,135.65 | 16,090.41 | 14,595.42 | 15,061.40 |
| Street light equipment, regular.... | 3,762.49 | 5,307.16 | 5,533.94 | 1,553.53 | 3,597.31 |
| Street light equipment, ornamental. | | 16,611.59 | | | |
| Miscellaneous construction expense | 1,325.02 | 13,136.48 | 2,388.86 | 2,346.40 | 1,994.55 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | 9,929.60 | | 6,018.38 | |
| Total plant..... | 46,473.95 | 235,807.53 | 84,916.97 | 64,913.34 | 85,783.52 |
| Bank and cash balance..... | 3,468.32 | 603.85 | 3,104.88 | 7,658.31 | 1,856.44 |
| Securities and investments..... | 21,000.00 | 115,000.00 | 7,500.00 | 12,000.00 | |
| Accounts receivable..... | 1,500.51 | 240.93 | 1,117.43 | 1,120.58 | 2,259.85 |
| Inventories..... | 1,033.84 | 2,597.97 | | 251.25 | 229.28 |
| Sinking fund on local debentures.. | | | | | |
| Equity in H-E.P.C. systems..... | 97,246.03 | 146,480.90 | 61,802.90 | 56,226.52 | 39,677.28 |
| Other assets..... | | 133.30 | | 18.16 | 21.67 |
| Total assets..... | 170,722.65 | 500,864.48 | 158,442.18 | 142,188.16 | 129,828.04 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 7,113.61 | 895.22 | | |
| Accounts payable..... | 859.06 | 212.08 | 313.88 | 381.10 | 141.00 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 405.40 | 20,587.83 | 1,194.07 | 1,333.85 | 1,294.00 |
| Total liabilities..... | 1,264.46 | 27,913.52 | 2,403.17 | 1,714.95 | 1,435.00 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 97,246.03 | 146,480.90 | 61,802.90 | 56,226.52 | 39,677.28 |
| For depreciation..... | 20,367.97 | 68,247.18 | 25,118.24 | 13,764.01 | 22,276.65 |
| Other reserves..... | 4,272.20 | 37,460.62 | 7,917.84 | 214.16 | |
| Total reserves..... | 121,886.20 | 252,188.70 | 94,838.98 | 70,204.69 | 61,953.93 |
| SURPLUS | | | | | |
| Debentures paid..... | 17,000.00 | 138,886.39 | 13,604.78 | 22,500.00 | 29,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 30,571.99 | 81,875.87 | 47,595.25 | 47,768.52 | 37,439.11 |
| Total surplus..... | 47,571.99 | 220,762.26 | 61,200.03 | 70,268.52 | 66,439.11 |
| Total liabilities, reserves and surplus. | 170,722.65 | 500,864.48 | 158,442.18 | 142,188.16 | 129,828.04 |
| Percentage of net debt to total assets. | 1.7 | 3.3 | 2.5 | 2.0 | 1.6 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Port Elgin | Port Hope | Port McNicoll | Port Perry | Port Rowan | Port Stanley |
|------------|------------|---------------|------------|------------|--------------|
| 1,559 | 4,898 | 869 | 1,288 | 616 | 896 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 111.25 | 11,691.21 | 369.08 | | | 1,574.60 |
| | 3,100.00 | | 2,564.65 | | |
| 28,649.14 | 59,778.72 | 13,154.27 | 21,361.75 | 11,827.17 | 27,930.40 |
| 7,655.37 | 27,870.61 | 2,358.40 | 6,408.39 | 4,895.47 | 15,569.44 |
| 10,404.88 | 33,139.43 | 4,246.00 | 6,216.70 | 3,103.05 | 14,351.62 |
| 3,262.76 | 4,076.62 | 696.26 | 1,861.50 | 1,034.13 | 2,292.67 |
| | | | | | |
| 50.41 | 7,322.31 | 590.68 | 135.61 | 745.53 | 6,211.36 |
| | | | | | |
| 4,213.00 | | | | | |
| | | | | | |
| 54,346.81 | 146,978.90 | 21,414.69 | 38,548.60 | 21,605.35 | 67,930.09 |
| | | | | | |
| 6,601.42 | 8,767.30 | | 1,758.06 | 174.10 | 2,706.26 |
| 11,500.00 | 35,000.00 | 1,000.00 | 11,000.00 | 5,000.00 | 22,000.00 |
| 219.25 | 756.72 | 259.42 | 262.02 | 43.52 | 389.14 |
| | 6,005.80 | | | | |
| | | | | | |
| 21,939.79 | 97,110.60 | 9,133.17 | 26,682.54 | 10,293.74 | 59,638.95 |
| | | | | | |
| | | | | | |
| 94,607.27 | 294,619.32 | 31,807.28 | 78,251.22 | 37,116.71 | 152,664.44 |
| | | | | | |
| | | | | 904.75 | |
| 11,950.16 | | | | | 191.72 |
| 3,480.22 | 27.20 | 342.17 | 206.87 | | |
| | | 1,155.23 | | | |
| | 7,863.55 | 238.40 | 548.00 | 235.00 | 301.42 |
| | | | | | |
| 15,430.38 | 7,890.75 | 1,735.80 | 754.87 | 1,139.75 | 493.14 |
| | | | | | |
| | | | | | |
| 21,939.79 | 97,110.60 | 9,133.17 | 26,682.54 | 10,293.74 | 59,638.95 |
| 14,474.72 | 40,169.33 | 6,711.89 | 15,620.56 | 6,210.06 | 23,296.31 |
| | | | | | 5,075.23 |
| | | | | | |
| 36,414.51 | 137,279.93 | 15,845.06 | 42,303.10 | 16,503.80 | 88,010.49 |
| | | | | | |
| | | | | | |
| 30,049.84 | 79,000.00 | 7,300.00 | 19,881.66 | 10,095.25 | 18,950.00 |
| | | | | | |
| 12,712.54 | 70,448.64 | 6,926.42 | 15,311.59 | 9,377.91 | 45,210.81 |
| | | | | | |
| 42,762.38 | 149,448.64 | 14,226.42 | 35,193.25 | 19,473.16 | 64,160.81 |
| | | | | | |
| 94,607.27 | 294,619.32 | 31,807.28 | 78,251.22 | 37,116.71 | 152,664.44 |
| | | | | | |
| 21.2 | 4.0 | 7.6 | 1.5 | 4.2 | 0.5 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Prescott | Preston | Priceville | Princeton | Queenston |
|----------------------------------------------|------------|------------|------------|-----------|-----------|
| Population..... | 3,194 | 6,701 | P.V. | P.V. | P.V. |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 2,761.54 | | 68.00 | | |
| Substation equipment..... | | 57,211.70 | | | |
| Distribution system—overhead..... | 43,784.47 | 95,475.42 | 6,127.61 | 4,526.47 | 8,868.77 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 22,421.03 | 62,807.50 | 1,211.66 | 3,881.23 | 3,729.12 |
| Meters..... | 22,470.39 | 47,317.97 | 808.60 | 1,810.54 | 2,042.89 |
| Street light equipment, regular..... | 2,302.03 | 6,891.81 | 317.88 | 207.93 | 498.05 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 676.55 | 12,238.85 | 833.90 | 75.03 | 2,515.97 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | 32,126.75 | | | |
| Total plant..... | 94,416.01 | 314,070.00 | 9,367.65 | 10,501.20 | 17,654.80 |
| Bank and cash balance..... | 14,115.53 | 125.00 | 534.56 | 1,660.43 | 999.04 |
| Securities and investments..... | 7,000.00 | 43,000.00 | 2,500.00 | 7,000.00 | 7,500.00 |
| Accounts receivable..... | 777.92 | 3,430.25 | 34.00 | 46.09 | 284.08 |
| Inventories..... | | 8,555.96 | | | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 74,955.69 | 370,506.68 | 1,374.56 | 14,038.64 | 10,005.74 |
| Other assets..... | | 1.49 | | | |
| Total assets..... | 191,265.15 | 739,689.38 | 13,810.77 | 33,246.36 | 36,443.66 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 5,690.73 | | | 327.70 |
| Accounts payable..... | 462.20 | 462.99 | | 44.24 | 0.40 |
| Bank overdraft..... | | 505.54 | | | |
| Other liabilities..... | 460.40 | 1,522.75 | | | 65.00 |
| Total liabilities..... | 922.60 | 8,182.01 | | 44.24 | 393.10 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 74,955.69 | 370,506.68 | 1,374.56 | 14,038.64 | 10,005.74 |
| For depreciation..... | 61,438.24 | 164,828.79 | 4,232.31 | 3,708.90 | 6,250.53 |
| Other reserves..... | | 427.76 | | | |
| Total reserves..... | 136,393.93 | 535,763.23 | 5,606.87 | 17,747.54 | 16,256.27 |
| SURPLUS | | | | | |
| Debentures paid..... | 12,170.99 | 147,109.27 | 7,000.00 | 3,550.00 | 9,172.30 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 41,777.63 | 48,634.87 | 1,203.90 | 11,904.58 | 10,621.99 |
| Total surplus..... | 53,948.62 | 195,744.14 | 8,203.90 | 15,454.58 | 19,794.29 |
| Total liabilities, reserves and surplus..... | 191,265.15 | 739,689.38 | 13,810.77 | 33,246.36 | 36,443.66 |
| Percentage of net debt to total assets..... | 0.8 | 2.2 | 0.0 | 0.2 | 1.5 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Renfrew | Richmond | Richmond Hill | Ridgetown | Ripley | Riverside | Rockwood |
|------------|-----------|---------------|------------|-----------|------------|-----------|
| 5,781 | 450 | 1,458 | 1,948 | 433 | 5,938 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 9,393.89 | | | 3,883.13 | | 11,371.12 | 79.00 |
| 30,406.52 | | 600.00 | 1,024.24 | | | |
| 46,812.88 | 7,061.44 | 16,348.61 | 26,863.17 | 10,886.67 | 94,680.66 | 9,339.10 |
| 40,641.00 | 2,135.28 | 13,103.59 | 12,970.07 | 5,607.47 | 32,419.28 | 3,823.65 |
| 32,771.25 | 1,974.93 | 8,272.65 | 11,364.13 | 2,710.23 | 33,503.61 | 4,026.93 |
| 22,446.92 | 194.48 | 1,338.88 | 7,058.99 | 975.93 | | 731.82 |
| | | | 1,431.73 | | 19,163.24 | |
| 5,650.00 | 612.67 | | 2,333.45 | 1,234.38 | 9,608.77 | 389.38 |
| 496,554.65 | | | | | | |
| 684,677.11 | 11,978.80 | 39,663.73 | 66,928.91 | 21,414.68 | 200,746.68 | 18,389.88 |
| 2,456.93 | 158.32 | 353.29 | 2,987.52 | 2,925.78 | 2,375.88 | 1,952.96 |
| | | 11,500.00 | 14,000.00 | | 32,000.00 | 3,600.00 |
| 15,732.64 | 263.24 | 474.78 | 437.71 | 6.33 | 1,600.04 | |
| | | | 562.60 | | 5,541.56 | 143.50 |
| 433.19 | 4,840.84 | 31,099.61 | 61,501.36 | 11,894.97 | 118,698.43 | 15,909.62 |
| 703,299.87 | 17,241.20 | 83,091.41 | 146,418.10 | 36,241.76 | 360,962.59 | 39,995.96 |
| 78,567.21 | 1,039.17 | | | 2,747.97 | | 868.52 |
| 5,329.75 | 171.13 | 317.83 | 1,131.27 | | 205.24 | 72.25 |
| | 81.87 | 472.24 | 2,316.73 | 194.83 | 21,326.56 | 168.72 |
| 83,896.96 | 1,292.17 | 790.07 | 3,448.00 | 2,942.80 | 21,531.80 | 1,109.49 |
| 433.19 | 4,840.84 | 31,099.61 | 61,501.36 | 11,894.97 | 118,698.43 | 15,909.62 |
| 123,346.80 | 3,018.14 | 4,344.22 | 22,391.39 | 6,061.49 | 61,497.01 | 8,855.26 |
| 3,769.42 | | 3,069.37 | 9,713.45 | | 12,571.77 | |
| 127,549.41 | 7,858.98 | 38,513.20 | 93,606.20 | 17,956.46 | 192,767.21 | 24,764.88 |
| 432,669.52 | 5,460.83 | 12,200.00 | 19,455.99 | 11,223.97 | 82,500.00 | 3,631.48 |
| 59,183.98 | 2,629.22 | 31,588.14 | 29,907.91 | 4,118.53 | 64,163.58 | 10,490.11 |
| 491,853.50 | 8,090.05 | 43,788.14 | 49,363.90 | 15,342.50 | 146,663.58 | 14,121.59 |
| 703,299.87 | 17,241.20 | 83,091.41 | 146,418.10 | 36,241.76 | 360,962.59 | 39,995.96 |
| 11.9 | 10.4 | 1.5 | 2.4 | 12.1 | 1.1 | 4.6 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Rodney | Rosseau | Russell | St. Catharines | St. Clair Beach |
|----------------------------------------------|--------------|--------------|--------------|-------------------|--------------------|
| Population..... | 731 | 134 | P.V. | 34,559 | 235 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | 31,162.35 | |
| Substation equipment..... | | | | 199,583.84 | |
| Distribution system—overhead..... | 12,389.18 | 7,857.44 | 8,449.70 | 312,115.74 | 10,675.26 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 4,400.57 | 2,314.23 | 2,070.00 | 223,140.05 | 3,594.68 |
| Meters..... | 4,725.70 | 1,317.86 | 2,147.11 | 166,159.70 | 2,678.81 |
| Street light equipment, regular..... | 3,533.02 | 623.60 | 644.70 | 25,218.61 | 618.31 |
| Street light equipment, ornamental..... | | | | 29,486.71 | |
| Miscellaneous construction expense..... | 837.45 | 1,067.16 | 1,209.25 | 6,103.89 | 40.00 |
| Steam or hydraulic plant..... | | | | | |
| Old plant..... | | | | 16,000.00 | |
| Total plant..... | 25,885.92 | 13,180.29 | 14,520.76 | 1,008,970.89 | 17,607.06 |
| Bank and cash balance..... | 1,483.14 | 1,972.82 | 1,416.88 | 5,371.93 | |
| Securities and investments..... | 6,200.00 | 2,500.00 | 6,000.00 | 413,000.00 | 5,500.00 |
| Accounts receivable..... | 3.31 | 56.86 | 946.75 | 55,332.75 | 132.02 |
| Inventories..... | | | | 27,853.43 | |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 19,596.98 | 5,570.67 | 8,145.00 | 1,035,940.22 | 9,982.89 |
| Other assets..... | | | | 459.92 | |
| Total assets..... | 53,169.35 | 23,280.54 | 31,029.39 | 2,546,929.14 | 33,221.97 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 6,327.07 | | 15,750.00 | |
| Accounts payable..... | 162.53 | 51.09 | 277.39 | 57,510.03 | 50.16 |
| Bank overdraft..... | | | | 4,128.43 | 497.75 |
| Other liabilities..... | 295.00 | 40.00 | 20.00 | 37,683.64 | 395.00 |
| Total liabilities..... | 457.53 | 6,418.16 | 297.39 | 115,072.10 | 942.91 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 19,596.98 | 5,570.57 | 8,145.00 | 1,035,940.22 | 9,982.89 |
| For depreciation..... | 6,499.62 | 4,082.23 | 4,465.86 | 340,843.67 | 6,819.10 |
| Other reserves..... | 73.15 | 68.74 | | 53,045.79 | 34.74 |
| Total reserves..... | 26,169.75 | 9,721.54 | 12,610.86 | 1,429,829.68 | 16,836.73 |
| SURPLUS | | | | | |
| Debentures paid..... | 8,500.00 | 6,672.93 | 10,000.00 | 286,272.91 | 6,341.45 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 18,042.07 | 467.91 | 8,121.14 | 715,754.45 | 9,100.88 |
| Total surplus..... | 26,542.07 | 7,140.84 | 18,121.14 | 1,002,027.36 | 15,442.33 |
| Total liabilities, reserves and surplus..... | 53,169.35 | 23,280.54 | 31,029.39 | 2,546,929.14 | 33,221.97 |
| Percentage of net debt to total assets..... | 1.4 | 36.2 | 1.3 | 5.8 | 4.1 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| St. George P.V. | St. Jacobs P.V. | St. Marys 3,643 | St. Thomas 18,190 | Sarnia 20,060 | Scarborough Twp. V.A. |
|--------------------|--------------------|--------------------|----------------------|------------------|-----------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| ..... | ..... | 19,194.78 | 79,143.04 | 147,184.76 | 21,446.77 |
| ..... | ..... | 33,232.02 | 136,643.39 | 219,374.18 | 18,848.71 |
| 6,575.98 | 8,138.87 | 73,190.91 | 134,401.86 | 247,076.74 | 378,651.38 |
| ..... | ..... | ..... | 77,111.75 | 61,943.90 | ..... |
| 3,919.64 | 4,927.21 | 42,701.63 | 74,273.19 | 105,706.03 | 140,527.28 |
| 3,945.45 | 4,120.97 | 30,337.29 | 85,949.93 | 104,148.58 | 106,885.95 |
| 489.63 | 396.19 | 6,812.08 | 23,887.02 | 31,405.18 | 24,205.85 |
| ..... | ..... | ..... | 3,693.04 | 8,271.83 | ..... |
| 133.35 | 591.47 | 10,160.05 | 4,691.07 | 57,844.40 | 4,771.11 |
| | | | | | |
| ..... | ..... | 20,696.85 | ..... | ..... | ..... |
| 15,064.05 | 18,174.71 | 236,325.61 | 619,794.29 | 982,955.60 | 695,337.05 |
| 2,408.25 | 2,327.00 | 25.00 | 1,071.19 | 300.00 | 22,078.86 |
| 9,750.00 | 10,000.00 | 3,000.00 | 152,000.00 | 100,000.00 | 170,000.00 |
| 26.94 | 12.92 | 1,006.95 | 20,909.41 | 16,703.79 | 17,310.80 |
| ..... | ..... | 6,881.23 | 33,436.40 | 38,719.73 | ..... |
| 20,052.65 | 24,548.74 | 185,826.64 | 710,710.04 | 908,450.66 | 292,323.09 |
| ..... | ..... | 192.04 | ..... | 75.98 | 275.19 |
| 47,301.89 | 54,973.37 | 433,257.47 | 1,537,921.33 | 2,047,205.76 | 1,197,324.99 |
| | | | | | |
| 8.21 | ..... | 8,685.20 | ..... | ..... | ..... |
| ..... | ..... | 222.98 | 1,084.30 | 2,491.23 | 18,614.40 |
| 405.00 | ..... | 7,262.01 | ..... | 3,122.93 | ..... |
| ..... | ..... | 1,386.50 | 19,964.54 | 21,904.07 | 57,569.86 |
| 413.21 | ..... | 17,556.69 | 21,048.84 | 27,518.23 | 76,184.26 |
| 20,052.65 | 24,548.74 | 185,826.64 | 710,710.04 | 908,450.66 | 292,323.09 |
| 4,965.60 | 5,329.07 | 87,084.04 | 265,603.29 | 270,003.18 | 207,065.91 |
| 2,000.00 | ..... | 3,201.51 | 25,447.45 | 66,675.22 | 72,171.30 |
| 27,018.25 | 29,877.81 | 276,112.19 | 1,001,760.78 | 1,245,129.06 | 571,560.30 |
| 6,000.00 | 6,000.00 | 105,575.18 | 138,944.07 | 338,000.00 | 290,568.27 |
| 13,870.43 | 19,095.56 | 34,013.41 | 376,167.64 | 436,558.47 | 259,012.16 |
| 19,870.43 | 25,095.56 | 139,588.59 | 515,111.71 | 774,558.47 | 549,580.43 |
| 47,301.89 | 54,973.37 | 433,257.47 | 1,537,921.33 | 2,047,205.76 | 1,197,324.99 |
| 1.5 | 0.0 | 7.1 | 2.5 | 1.7 | 8.4 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Seaforth | Shelburne | Simcoe | Smiths Falls | Smithville |
|----------------------------------------------|------------|-----------|------------|--------------|------------|
| Population..... | 1,724 | 1,132 | 6,063 | 7,736 | P.V. |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 1,836.39 | 800.00 | 11,201.89 | 9,646.57 | ..... |
| Substation equipment..... | 8,930.07 | 566.60 | 41,527.90 | 4,765.59 | ..... |
| Distribution system—overhead..... | 32,416.73 | 15,794.18 | 66,864.81 | 101,621.60 | 11,579.32 |
| Distribution system—underground..... | ..... | ..... | 1,412.24 | ..... | ..... |
| Line transformers..... | 15,925.89 | 9,897.88 | 52,233.86 | 46,656.78 | 5,408.22 |
| Meters..... | 12,332.19 | 8,578.00 | 41,756.94 | 40,999.81 | 4,742.10 |
| Street light equipment, regular..... | 5,789.27 | 1,106.93 | 22,800.72 | 9,793.86 | 1,687.68 |
| Street light equipment, ornamental..... | ..... | ..... | ..... | ..... | ..... |
| Miscellaneous construction expense..... | 1,468.48 | 2,452.71 | 7,122.51 | 2,032.89 | 274.59 |
| Steam or hydraulic plant..... | ..... | ..... | ..... | ..... | ..... |
| Old plant..... | ..... | ..... | 927.92 | ..... | 1,878.98 |
| Total plant..... | 78,699.02 | 39,196.30 | 245,848.79 | 215,517.10 | 25,570.89 |
| Bank and cash balance..... | 2,471.48 | 879.42 | 2,047.65 | 8,888.11 | 970.91 |
| Securities and investments..... | 13,000.00 | 15,500.00 | 62,500.00 | 98,000.00 | 12,500.00 |
| Accounts receivable..... | 1,923.01 | 92.84 | 1,571.94 | 1,547.47 | 12.93 |
| Inventories..... | 1,596.00 | ..... | 10,900.69 | 7,211.92 | 201.00 |
| Sinking fund on local debentures..... | ..... | ..... | ..... | ..... | ..... |
| Equity in H-E.P.C. systems..... | 87,031.49 | 27,730.34 | 166,913.05 | 152,362.30 | 2,582.67 |
| Other assets..... | ..... | ..... | ..... | ..... | ..... |
| Total assets..... | 184,721.00 | 83,398.90 | 489,782.12 | 483,526.90 | 41,838.40 |
| LIABILITIES | | | | | |
| Debenture balance..... | 7,815.60 | ..... | 5,544.49 | ..... | 3,804.04 |
| Accounts payable..... | 115.18 | 98.31 | 10,187.93 | 505.84 | 59.60 |
| Bank overdraft..... | ..... | ..... | ..... | ..... | ..... |
| Other liabilities..... | 613.78 | 97.45 | 1,885.14 | 432.50 | 75.00 |
| Total liabilities..... | 8,544.56 | 195.76 | 17,617.56 | 938.34 | 3,938.64 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 87,031.49 | 27,730.34 | 166,913.05 | 152,362.30 | 2,582.67 |
| For depreciation..... | 25,097.80 | 20,552.84 | 56,872.36 | 115,910.08 | 8,040.58 |
| Other reserves..... | 422.90 | 1,500.00 | 29,000.00 | 5,490.28 | ..... |
| Total reserves..... | 112,552.19 | 49,783.18 | 252,785.41 | 273,762.66 | 10,623.25 |
| SURPLUS | | | | | |
| Debentures paid..... | 27,184.40 | 19,920.00 | 69,890.41 | 122,787.33 | 11,195.96 |
| Local sinking fund..... | ..... | ..... | ..... | ..... | ..... |
| Operating surplus..... | 36,439.85 | 13,499.96 | 149,488.74 | 86,038.57 | 16,080.55 |
| Total surplus..... | 63,624.25 | 33,419.96 | 219,379.15 | 208,825.90 | 27,276.51 |
| Total liabilities, reserves and surplus..... | 184,721.00 | 83,398.90 | 489,782.12 | 483,526.90 | 41,838.40 |
| Percentage of net debt to total assets..... | 8.7 | 0.3 | 5.5 | 0.3 | 10.0 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Southampton 1,598 | Springfield 409 | Stamford Twp. V.A. | Stayner 1,028 | Stirling 1,006 | Stouffville 1,340 |
|----------------------|--------------------|--------------------------|------------------|-------------------|----------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 25.00 | | 8,702.41 | | 8,522.88 | |
| 30,463.63 | 10,340.20 | 52,962.04 | 200.00 | 8,034.64 | |
| | | 193,534.61 | 17,429.47 | 7,389.61 | 16,990.68 |
| 13,354.76 | 3,285.06 | 78,305.25 | 8,883.57 | 6,201.80 | 9,173.22 |
| 11,604.25 | 2,405.60 | 57,096.34 | 8,047.76 | 6,370.34 | 6,712.49 |
| 3,747.16 | 629.47 | 13,388.95 | 1,197.86 | 3,203.33 | 2,230.37 |
| 162.16 | 892.63 | 13,046.84 | 310.33 | 995.87 | 1,121.02 |
| 2,477.00 | | 13,743.66 | | | |
| 61,833.96 | 17,552.96 | 430,780.10 | 36,068.99 | 40,718.47 | 36,227.78 |
| 850.56 | 2,049.00 | 2,540.42 | 722.76 | 9,177.48 | 789.25 |
| 8,500.00 | 5,500.00 | 26,000.00 | 11,000.00 | 12,500.00 | 11,500.00 |
| 139.71 | 166.40 | 16,163.82 | 252.85 | 551.25 | 23.14 |
| | | 7,100.62 | | 1,099.28 | |
| 20,658.81 | 12,594.79 | 145,578.78 | 24,689.96 | 13,645.92 | 25,365.36 |
| | | 469.37 | | | |
| 91,983.04 | 37,863.15 | 628,633.11 | 72,734.56 | 77,692.40 | 73,905.53 |
| 2,178.49 | 356.83 | 25,417.10 | | | |
| 189.01 | 452.08 | 1,955.66 | | | 127.64 |
| | | 3,338.99 | 1,992.63 | | |
| 4.74 | 10.00 | 8,400.42 | 369.00 | 402.93 | 488.20 |
| 2,372.24 | 818.91 | 39,112.17 | 2,361.63 | 402.93 | 615.84 |
| 20,658.81 | 12,594.79 | 145,578.78 | 24,689.96 | 13,645.92 | 25,365.36 |
| 13,259.29 | 4,871.91 | 113,737.16 | 18,617.15 | 11,331.63 | 5,798.18 |
| | | 44,154.32 | 41.17 | | 4,350.96 |
| 33,918.10 | 17,466.70 | 303,470.26 | 43,348.28 | 24,977.55 | 35,514.50 |
| 30,821.44 | 9,143.17 | 214,861.07 | 9,867.59 | 10,000.00 | 14,673.90 |
| 24,871.26 | 10,434.37 | 71,189.61 | 17,157.06 | 42,311.92 | 23,101.29 |
| 55,692.70 | 19,577.54 | 286,050.68 | 27,024.65 | 52,311.92 | 37,775.19 |
| 91,983.04 | 37,863.15 | 628,633.11 | 72,734.56 | 77,692.40 | 73,905.53 |
| 3.3 | 3.2 | 8.1 | 4.9 | 0.6 | 1.3 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Stratford | Strathroy | Streetsville | Sunderland | Sutton |
|------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population | 17,092 | 3,001 | 707 | P.V. | 981 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | 141,455.78 | 9,373.61 | 8,925.69 | | |
| Substation equipment..... | 183,365.75 | 30,383.06 | 1,172.04 | | |
| Distribution system—overhead.... | 161,399.38 | 51,042.91 | 9,610.37 | 4,749.18 | 24,583.40 |
| Distribution system—underground. | 22,971.15 | | | | |
| Line transformers | 112,828.95 | 30,056.85 | 8,793.71 | 1,841.08 | 12,164.49 |
| Meters | 99,610.44 | 18,957.33 | 5,035.23 | 2,636.83 | 8,639.47 |
| Street light equipment, regular.... | 25,809.76 | 6,238.53 | 1,619.31 | 670.57 | 1,995.15 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 23,004.07 | 2,200.84 | 951.88 | 142.22 | 1,637.64 |
| Steam or hydraulic plant..... | | | 10,641.55 | | |
| Old plant..... | 31,520.00 | | | | 675.00 |
| Total plant..... | 801,965.28 | 148,253.13 | 46,749.78 | 10,039.88 | 49,695.15 |
| Bank and cash balance..... | 67,834.94 | 13,277.82 | 4,021.03 | 1,386.43 | 1,005.57 |
| Securities and investments..... | 233,000.00 | 26,000.00 | 2,000.00 | 3,500.00 | 7,000.00 |
| Accounts receivable..... | 10,867.32 | 78.38 | 178.01 | 12.45 | 248.04 |
| Inventories..... | 12,637.01 | 1,075.32 | | | |
| Sinking fund on local debentures. | 30,822.94 | | | | |
| Equity in H-E.P.C. systems..... | 836,581.19 | 129,460.33 | 5,972.20 | 14,223.65 | 25,279.00 |
| Other assets..... | 1,632.52 | | | | |
| Total assets..... | 1,995,341.20 | 318,144.98 | 58,921.02 | 29,162.41 | 83,227.76 |
| LIABILITIES | | | | | |
| Debenture balance..... | 50,000.00 | 6,943.02 | | | |
| Accounts payable..... | 1,142.72 | 203.82 | 1,206.70 | 429.90 | 296.15 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 4,821.73 | 1,211.59 | 240.38 | 20.00 | 25.00 |
| Total liabilities..... | 55,964.45 | 8,358.43 | 1,447.08 | 449.90 | 321.15 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 836,581.19 | 129,460.33 | 5,972.20 | 14,223.65 | 25,279.00 |
| For depreciation..... | 439,887.32 | 56,186.85 | 8,728.58 | 7,313.02 | 13,131.44 |
| Other reserves..... | 30,665.73 | 1,034.16 | 2,621.35 | 59.25 | 1,645.84 |
| Total reserves..... | 1,307,134.24 | 186,681.34 | 17,322.13 | 21,595.92 | 40,056.28 |
| SURPLUS | | | | | |
| Debentures paid..... | 405,800.00 | 46,945.83 | 17,545.08 | 4,770.00 | 26,000.00 |
| Local sinking fund..... | 30,822.94 | | | | |
| Operating surplus..... | 195,619.57 | 76,159.38 | 22,606.73 | 2,346.59 | 16,850.33 |
| Total surplus..... | 632,242.51 | 123,105.21 | 40,151.81 | 7,116.59 | 42,850.33 |
| Total liabilities, reserves and surplus. | 1,995,341.20 | 318,144.98 | 58,921.02 | 29,162.41 | 83,227.76 |
| Percentage of net debt to total assets. | 4.9 | 4.4 | 2.7 | 3.0 | 0.6 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Swansea 7,142 | Tara 472 | Tavistock 1,082 | Tecumseh 2,794 | Teeswater 854 | Thamesford P.V. | Thamesville 734 |
|-----------------------------------|------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------|----------------------------------|
| \$ c. 5,577.66 | \$ c. | \$ c. 3,752.33 | \$ c. 1,232.16 | \$ c. 330.31 | \$ c. | \$ c. 681.69 |
| 89,628.25 | 12,107.55 | 14,532.07 | 43,457.72 | 18,116.39 | 8,874.95 | 14,245.10 |
| 58,265.19 | 3,668.91 | 9,576.82 | 13,005.66 | 7,135.07 | 4,420.97 | 5,766.60 |
| 38,889.35 | 2,453.70 | 7,346.37 | 16,733.34 | 4,642.94 | 3,783.98 | 5,203.95 |
| 14,874.07 | 2,721.65 | 1,152.93 | | 1,495.82 | 556.49 | 2,376.70 |
| 11,059.81 | 1,429.96 | 1,257.55 | 4,760.95 2,566.58 | 1,741.36 | 614.02 | 266.30 |
| | | | | 4,976.86 | | |
| 218,294.33 | 22,381.77 | 37,618.07 | 81,756.41 | 38,438.75 | 18,250.41 | 28,540.34 |
| 2,785.66 | 685.27 | 431.59 | 932.60 | 955.05 | 935.09 | 463.66 |
| 55,000.00 | 10,500.00 | 11,500.00 | 12,000.00 | 11,000.00 | 3,000.00 | 16,500.00 |
| 1,418.03 | 37.13 | 8.23 | 1,993.92 | 15.00 | .02 | 1,005.84 |
| | | 560.03 | 347.82 | | | |
| 136,042.70 63.83 | 12,341.36 | 65,448.63 | 38,484.30 | 18,015.03 | 24,499.11 | 24,735.44 |
| 413,604.55 | 45,945.53 | 115,566.55 | 135,515.05 | 68,423.83 | 46,684.63 | 71,245.28 |
| 46,131.60 1,042.03 | 384.18 | 259.37 | 294.51 | 1.36 | 1,062.80 | 287.51 |
| 4,906.41 | | | 5,398.75 | 61.00 | 94.00 | 451.00 |
| 52,080.04 | 384.18 | 259.37 | 5,693.26 | 62.36 | 1,156.80 | 738.51 |
| 136,042.70 68,938.37 232.52 | 12,341.36 12,113.37 | 65,448.63 16,475.02 1,000.00 | 38,484.30 23,323.16 5,991.02 | 18,015.03 13,599.82 1,000.00 | 24,499.11 7,566.96 | 24,735.44 14,364.74 164.86 |
| 205,213.59 | 24,454.73 | 82,923.65 | 67,798.48 | 32,614.85 | 32,066.07 | 39,265.04 |
| 56,535.36 | 15,500.00 | 6,000.00 | 26,000.00 | 28,000.00 | 5,358.03 | 11,187.80 |
| 99,775.56 | 5,606.62 | 26,383.53 | 36,023.31 | 7,746.62 | 8,103.73 | 20,053.93 |
| 156,310.92 | 21,106.62 | 32,383.53 | 62,023.31 | 35,746.62 | 13,461.76 | 31,241.73 |
| 413,604.55 | 45,945.53 | 115,566.55 | 135,515.05 | 68,423.83 | 46,684.63 | 71,245.28 |
| 18.7 | 1.2 | 0.5 | 2.2 | 0.1 | 5.2 | 1.6 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Thedford | Thornbury | Thorndale | Thornton | Thorold |
|----------------------------------------------|-----------|-----------|-----------|-----------|------------|
| Population..... | 598 | 786 | P.V. | P.V. | 5,517 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | | | | 10,992.37 |
| Substation equipment..... | | 4,404.73 | | | 2,572.33 |
| Distribution system—overhead..... | 11,351.78 | 11,214.16 | 4,740.50 | 6,877.71 | 45,682.51 |
| Distribution system—underground..... | | | | | |
| Line transformers..... | 7,418.28 | 7,972.84 | 2,347.94 | 1,764.80 | 27,497.99 |
| Meters..... | 3,529.48 | 5,632.26 | 2,346.02 | 1,076.25 | 27,116.94 |
| Street light equipment, regular..... | 1,578.90 | 1,035.00 | 181.19 | 433.25 | 3,480.11 |
| Street light equipment, ornamental..... | | | | | |
| Miscellaneous construction expense..... | 1,767.23 | 108.93 | 148.95 | 300.35 | 1,745.54 |
| Steam or hydraulic plant..... | | 36,000.00 | | | |
| Old plant..... | 433.78 | | | | |
| Total plant..... | 26,079.45 | 66,367.92 | 9,764.60 | 10,452.36 | 119,087.79 |
| Bank and cash balance..... | | 1,244.82 | | 968.80 | 7,745.57 |
| Securities and investments..... | 12,000.00 | | 3,500.00 | 2,500.00 | 85,800.00 |
| Accounts receivable..... | 243.47 | 24.20 | 447.37 | 5.36 | 185.80 |
| Inventories..... | | | | | 2,934.47 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H.E.P.C. systems..... | 14,081.23 | 159.50 | 12,041.12 | 4,792.72 | 153,637.53 |
| Other assets..... | 1.95 | | | | 51.25 |
| Total assets..... | 52,406.10 | 67,796.44 | 25,753.09 | 18,719.24 | 369,442.41 |
| LIABILITIES | | | | | |
| Debenture balance..... | | 6,054.71 | | | |
| Accounts payable..... | 463.08 | 5,108.56 | | 23.60 | 22.18 |
| Bank overdraft..... | 1,517.53 | | 274.85 | | |
| Other liabilities..... | 8.39 | 10.00 | 468.57 | | 2,615.50 |
| Total liabilities..... | 1,989.00 | 11,173.27 | 743.42 | 23.60 | 2,637.68 |
| RESERVES | | | | | |
| For equity in H.E.P.C. systems..... | 14,081.23 | 159.50 | 12,041.12 | 4,792.72 | 153,637.53 |
| For depreciation..... | 6,612.48 | 2,328.96 | 5,776.37 | 7,263.57 | 45,771.81 |
| Other reserves..... | | | 441.37 | | |
| Total reserves..... | 20,693.71 | 2,488.46 | 18,258.86 | 12,056.29 | 199,409.34 |
| SURPLUS | | | | | |
| Debentures paid..... | 16,500.00 | 49,945.29 | 3,086.48 | 7,500.00 | 5,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 13,223.39 | 4,189.42 | 3,664.33 | †860.65 | 162,395.39 |
| Total surplus..... | 29,723.39 | 54,134.71 | 6,750.81 | 6,639.35 | 167,395.39 |
| Total liabilities, reserves and surplus..... | 52,406.10 | 67,796.44 | 25,753.09 | 18,719.24 | 369,442.41 |
| Percentage of net debt to total assets..... | 5.2 | 16.5 | 5.4 | 0.2 | 1.2 |

† Deficit.

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Tilbury 1,929 | Tillsonburg 4,172 | Toronto* 681,802 | Toronto Twp. V.A. | Tottenham 455 | Trafalgar Twp. V.A. |
|--------------------|----------------------|-----------------------|-------------------------|------------------|---------------------------|
| \$ c. 11,987.47 | \$ c. 4,824.27 | \$ c. 5,247,345.84 | \$ c. 8,222.46 | \$ c. 358.50 | \$ c. 156.34 |
| 19,691.77 | 21,899.54 | 14,846,116.88 | 242,538.26 | 10,187.22 | 839.61 |
| 15,478.50 | 57,339.58 | 7,075,879.37 | 4,152,669.07 | | 39,506.12 |
| 10,376.46 | 33,751.65 | 3,807,651.32 | 106,623.01 | 2,138.12 | 18,925.59 |
| 1,400.88 | 27,982.03 | 3,217,069.48 | 67,434.51 | 3,210.86 | 10,655.15 |
| | 13,107.95 | 483,350.31 | 7,262.17 | 1,121.95 | 192.54 |
| 1,430.37 | 2,021.20 | 2,187,353.26 | 8,103.05 | 1,509.32 | 1,942.38 |
| | | | 619.65 | 286.45 | |
| 60,365.45 | 160,926.22 | 41,017,435.53 | 440,803.11 | 18,812.42 | 72,217.73 |
| 3,311.07 | 1,087.36 | 1,044,015.47 | 7,494.43 | | 1,026.85 |
| 21,000.00 | 38,500.00 | 11,478,600.00 | 43,000.00 | 1,000.00 | 13,000.00 |
| 102.65 | 1,971.91 | 2,042,978.10 | 2,164.32 | 51.43 | 1,534.67 |
| 7.69 | 3,416.79 | 533,912.44 | 13,674.71 | | |
| 75,938.57 | 127,785.93 | 4,082,011.46 | 178,013.26 | 15,614.68 | 15,809.54 |
| 2.59 | 25.00 | 29,183,587.60 | | | |
| | | 46,988.17 | | | |
| 160,728.02 | 333,713.21 | 89,429,528.77 | 685,149.83 | 35,478.53 | 103,588.79 |
| | 7,772.51 | 6,523,400.00 | 7,332.65 | 557.58 | 3,386.42 |
| 161.45 | 3.36 | 760,107.61 | 38,590.47 | 115.08 | 3,017.06 |
| | 8,203.13 | | | 120.65 | |
| 37.25 | 4,277.36 | 201,116.22 | 6,911.09 | 254.60 | 113.00 |
| 198.70 | 20,256.36 | 7,484,623.83 | 52,834.21 | 1,047.91 | 6,516.48 |
| 75,938.57 | 127,785.93 | 29,183,587.60 | 178,013.26 | 15,614.68 | 15,809.54 |
| 23,685.92 | 43,363.77 | 15,033,541.16 | 186,003.70 | 9,251.17 | 28,435.85 |
| 5,648.60 | 15,198.98 | 1,326,643.69 | 2,067.20 | | |
| 105,273.09 | 186,348.68 | 45,543,772.45 | 366,084.16 | 24,865.85 | 44,245.39 |
| 14,000.00 | 38,227.49 | 23,773,142.76 | 96,667.35 | 12,409.52 | 25,501.14 |
| 41,256.23 | 88,880.68 | 4,082,011.46 | 169,564.11 | †2,844.75 | 27,325.78 |
| 55,256.23 | 127,108.17 | 8,545,978.27 | 266,231.46 | 9,564.77 | 52,826.92 |
| 160,728.02 | 333,713.21 | 36,401,132.49 | 685,149.83 | 35,478.53 | 103,588.79 |
| 0.2 | 9.8 | 6.0 | 10.4 | 5.2 | 7.4 |

* Includes 1946 power adjustment and equity in H-E.P.C. system.

† Deficit.

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Trenton | Tweed | Uxbridge | Victoria Harbour 897 | Walkerton |
|------------------------------------------|------------|-----------|-----------|----------------------------|------------|
| Population..... | 9,849 | 1,250 | 1,426 | 897 | 2,566 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | 5,678.03 | | | | 47.92 |
| Substation equipment..... | 49,167.01 | | 2,657.65 | | |
| Distribution system—overhead.... | 128,065.82 | 18,207.19 | 17,067.22 | 12,075.01 | 44,636.68 |
| Distribution system—underground.. | | | | | |
| Line transformers..... | 31,659.12 | 6,077.84 | 6,611.92 | 2,788.26 | 16,771.31 |
| Meters..... | 44,841.61 | 7,220.09 | 7,322.27 | 4,277.52 | 16,112.36 |
| Street light equipment, regular.... | 21,702.37 | 2,251.51 | 1,542.97 | 366.32 | 2,778.54 |
| Street light equipment, ornamental | | | | | |
| Miscellaneous construction expense | 8,666.61 | | 961.04 | 691.30 | 1,962.92 |
| Steam or hydraulic plant..... | | | | | 4,897.60 |
| Old plant..... | | | | | |
| Total plant..... | 289,780.57 | 33,756.63 | 36,163.07 | 20,198.41 | 87,207.33 |
| Bank and cash balance..... | 14,244.02 | 1,849.45 | 2,659.88 | 405.11 | 14,962.55 |
| Securities and investments..... | 105,500.00 | 12,000.00 | 9,000.00 | 4,000.00 | 20,000.00 |
| Accounts receivable..... | 179.50 | 1,749.81 | 215.44 | 108.51 | 208.51 |
| Inventories..... | 6,608.53 | 1,176.32 | 49.66 | | 786.63 |
| Sinking fund on local debentures.. | | | | | |
| Equity in H-E.P.C. systems..... | 142,131.47 | 15,790.60 | 29,002.48 | 9,239.53 | 35,045.00 |
| Other assets..... | 300.04 | | | | |
| Total assets..... | 558,744.13 | 66,322.81 | 77,090.53 | 33,951.56 | 158,210.02 |
| LIABILITIES | | | | | |
| Debenture balance..... | | | | | 21,886.73 |
| Accounts payable..... | 265.95 | 570.16 | 457.28 | 60.61 | 147.22 |
| Bank overdraft..... | | | | | |
| Other liabilities..... | 5,494.06 | 339.00 | 452.00 | | 205.00 |
| Total liabilities..... | 5,760.01 | 909.16 | 909.28 | 60.61 | 22,238.95 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems.... | 142,131.47 | 15,790.60 | 29,002.48 | 9,239.53 | 35,045.00 |
| For depreciation..... | 79,301.48 | 3,714.40 | 10,727.04 | 7,308.25 | 20,310.96 |
| Other reserves..... | 26,500.00 | 1,937.58 | 2,484.37 | | 37.15 |
| Total reserves..... | 247,932.95 | 21,442.58 | 42,213.89 | 16,547.78 | 55,393.11 |
| SURPLUS | | | | | |
| Debentures paid..... | 165,000.00 | 19,000.00 | 16,207.59 | 6,500.00 | 41,113.27 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 140,051.17 | 24,971.07 | 17,759.77 | 10,843.17 | 39,464.69 |
| Total surplus..... | 305,051.17 | 43,971.07 | 33,967.36 | 17,343.17 | 80,577.96 |
| Total liabilities, reserves and surplus. | 558,744.13 | 66,322.81 | 77,090.53 | 33,951.56 | 158,210.02 |
| Percentage of net debt to total assets. | 1.4 | 1.8 | 1.9 | 0.2 | 18.0 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Wallaceburg | Wardsville | Warkworth | Waterdown | Waterford | Waterloo | Watford |
|-------------|------------|-----------|-----------|------------|------------|-----------|
| 5,088 | 226 | P.V. | 966 | 1,375 | 9,452 | 938 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 48,683.90 | | | 200.00 | 1,323.44 | 19,548.90 | 333.36 |
| 12,857.49 | | | | | 118,329.21 | |
| 84,082.74 | 5,736.98 | 6,175.16 | 16,895.52 | 17,216.30 | 98,547.31 | 18,137.29 |
| 65,255.67 | 2,459.96 | 1,502.91 | 8,648.48 | 9,771.49 | 76,578.52 | 8,853.62 |
| 36,763.99 | 1,873.63 | 2,456.20 | 7,079.35 | 8,556.57 | 51,789.04 | 7,085.02 |
| 12,857.48 | 662.94 | 338.08 | 1,166.46 | 3,231.62 | 14,318.75 | 2,757.32 |
| | | | | | 3,106.80 | |
| 11,797.12 | 533.73 | 609.19 | 5.75 | 469.00 | 5,341.06 | 2,407.93 |
| | | 3,618.02 | | | 23,880.17 | |
| 272,298.39 | 11,267.24 | 14,699.56 | 33,995.56 | 40,568.42 | 411,439.76 | 39,574.54 |
| 9,420.44 | 97.30 | 1,261.89 | 2,875.96 | 1,472.02 | 250.00 | 1,176.60 |
| 70,500.00 | 4,000.00 | 4,200.00 | 9,000.00 | 14,000.00 | 99,000.00 | 14,800.00 |
| 6,680.99 | 444.48 | 7.74 | 342.99 | 20.28 | 1,858.54 | 1,623.52 |
| 19,758.83 | | | | 342.95 | 866.35 | 729.23 |
| 284,691.25 | 5,253.06 | 5,860.76 | 30,819.93 | 46,033.43 | 390,559.54 | 35,345.84 |
| 1.04 | | | 5.86 | | | 356.00 |
| 663,350.94 | 21,062.08 | 26,029.95 | 77,040.30 | 102,437.10 | 903,974.19 | 93,605.73 |
| | | 4,962.48 | | | | |
| 486.46 | 0.52 | | 15.00 | 25.72 | 3,000.00 | 159.49 |
| | | | | | 9,191.36 | |
| 3,631.35 | | 26.00 | 94.28 | | 3,106.80 | 262.10 |
| 4,117.81 | 0.52 | 4,988.48 | 109.28 | 25.72 | 15,298.16 | 421.59 |
| 284,691.25 | 5,253.06 | 5,860.76 | 30,819.93 | 46,033.43 | 390,559.54 | 35,345.84 |
| 82,418.52 | 4,485.13 | 4,319.52 | 11,485.01 | 15,508.85 | 199,791.11 | 15,334.00 |
| 31,124.94 | 25.22 | | | 2,500.00 | 735.26 | 92.53 |
| 398,234.71 | 9,763.41 | 10,180.28 | 42,304.94 | 64,042.23 | 591,085.91 | 50,772.37 |
| 71,536.58 | 7,562.40 | 6,037.52 | 8,000.00 | 7,745.53 | 106,000.00 | 9,055.77 |
| 189,461.84 | 3,735.75 | 4,823.67 | 26,626.08 | 30,623.57 | 191,590.12 | 33,356.00 |
| 260,998.42 | 11,298.15 | 10,861.19 | 34,626.08 | 38,369.10 | 297,590.12 | 42,411.77 |
| 663,350.94 | 21,062.08 | 26,029.95 | 77,040.30 | 102,437.10 | 903,974.19 | 93,605.73 |
| 1.1 | 0.0 | 24.7 | 0.2 | 0.0 | 2.4 | 0.7 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Waubau- shene P.V. | Welland | Wellesley | Welling- ton 917 | West Lorne 841 |
|----------------------------------------------|--------------------------|--------------|-----------|------------------------|----------------------|
| Population..... | | 15,780 | P.V. | | |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings..... | | 77,006.74 | | 200.00 | 2,526.50 |
| Substation equipment..... | | 117,054.79 | | 499.80 | |
| Distribution system—overhead..... | 11,056.70 | 190,570.63 | 7,965.16 | 17,372.34 | 14,350.16 |
| Distribution system—underground..... | | 8,044.90 | | | |
| Line transformers..... | 3,726.43 | 118,929.27 | 4,257.54 | 6,491.11 | 7,613.95 |
| Meters..... | 3,643.03 | 86,619.88 | 3,478.38 | 7,443.90 | 5,506.16 |
| Street light equipment, regular..... | 350.05 | 14,213.17 | 758.52 | 1,368.30 | 1,550.38 |
| Street light equipment, ornamental..... | | 41,105.28 | | | |
| Miscellaneous construction expense..... | 265.83 | 11,648.88 | 140.04 | 1,281.48 | 421.67 |
| Steam or hydraulic plant..... | | | | 2,477.92 | |
| Old plant..... | | | | | |
| Total plant..... | 19,042.04 | 665,193.54 | 16,599.64 | 37,134.85 | 31,968.82 |
| Bank and cash balance..... | 509.47 | 18,496.42 | 336.41 | 10.00 | 170.06 |
| Securities and investments..... | 700.00 | 238,634.52 | 6,000.00 | 12,000.00 | 6,000.00 |
| Accounts receivable..... | 779.32 | 2,986.50 | 3.00 | 23.11 | 96.61 |
| Inventories..... | | 19,527.20 | | | 235.90 |
| Sinking fund on local debentures..... | | | | | |
| Equity in H-E.P.C. systems..... | 6,860.21 | 478,199.43 | 22,058.52 | 15,435.49 | 34,450.28 |
| Other assets..... | | 0.38 | 0.46 | | |
| Total assets..... | 27,891.04 | 1,430,037.99 | 44,998.03 | 64,603.45 | 72,921.67 |
| LIABILITIES | | | | | |
| Debenture balance..... | | | | 1,394.06 | |
| Accounts payable..... | 2,004.53 | 1,121.80 | | 53.42 | 406.13 |
| Bank overdraft..... | | | | 888.96 | |
| Other liabilities..... | 600.00 | 53,962.84 | | 46.25 | 107.10 |
| Total liabilities..... | 2,604.53 | 55,084.64 | | 2,382.69 | 513.23 |
| RESERVES | | | | | |
| For equity in H-E.P.C. systems..... | 6,860.21 | 478,199.43 | 22,058.52 | 15,435.49 | 34,450.28 |
| For depreciation..... | 4,287.15 | 234,328.36 | 5,083.35 | 12,052.22 | 9,309.10 |
| Other reserves..... | 125.00 | 3,646.45 | | | 65.12 |
| Total reserves..... | 11,272.36 | 716,174.24 | 27,141.87 | 27,487.71 | 43,824.50 |
| SURPLUS | | | | | |
| Debentures paid..... | 3,500.00 | 275,000.00 | 7,500.00 | 15,605.94 | 8,000.00 |
| Local sinking fund..... | | | | | |
| Operating surplus..... | 10,514.15 | 376,779.11 | 10,356.16 | 19,127.11 | 20,583.94 |
| Total surplus..... | 14,014.15 | 651,779.11 | 17,856.16 | 34,733.05 | 28,583.94 |
| Total liabilities, reserves and surplus..... | 27,891.04 | 1,423,037.99 | 44,998.03 | 64,603.45 | 72,921.67 |
| Percentage of net debt to total assets..... | 12.4 | 1.5 | 0.0 | 4.8 | 1.3 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Weston 6,333 | Westport 639 | Wheatley 711 | Whitby 4,595 | Warton 1,682 | Williams- burg P.V. | Winchester 959 |
|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 13,373.31 | | 52.50 | 13,468.70 | | | 299.85 |
| 65,655.63 | | | 34,288.16 | 333.57 | | |
| 79,472.53 | 7,755.76 | 19,353.83 | 66,150.98 | 22,862.42 | 3,483.38 | 10,950.04 |
| | | | | | | |
| 72,510.15 | 1,901.18 | 10,071.49 | 19,418.47 | 8,436.51 | 1,978.92 | 4,906.59 |
| 39,627.79 | 2,210.78 | 6,058.68 | 24,880.08 | 10,110.01 | 2,510.42 | 6,305.72 |
| 29,424.60 | 733.02 | 9,359.00 | 12,943.48 | 2,994.73 | 174.61 | 719.87 |
| | | | | | | |
| 7,320.34 | 1,253.14 | 1,648.77 | 7,601.72 | 5,409.77 | 35.38 | 315.52 |
| | | | | | | |
| | 1,713.00 | | 1,340.13 | 1,870.35 | | 1,100.00 |
| | | | | | | |
| 307,384.35 | 15,566.88 | 46,544.27 | 180,091.72 | 52,017.36 | 8,182.71 | 24,597.59 |
| | | | | | | |
| 952.22 | 785.14 | 25.00 | 7,201.31 | 6,040.70 | 1,840.21 | 4,199.63 |
| 31,500.00 | 5,000.00 | 2,500.00 | 57,000.00 | 19,000.00 | 23,000.00 | 10,500.00 |
| 2,406.78 | | 427.25 | 1,252.23 | 1,019.85 | 362.49 | 372.68 |
| 915.75 | | | 633.78 | | | |
| | | | | | | |
| 348,529.64 | 8,175.00 | 20,661.20 | 78,526.49 | 23,034.31 | 8,897.95 | 28,284.96 |
| | | 6.90 | 18.47 | | | |
| | | | | | | |
| 691,688.74 | 29,527.02 | 70,164.62 | 324,724.00 | 101,112.22 | 42,283.36 | 67,954.86 |
| | | | | | | |
| | 5,360.02 | | 2,651.68 | 15,232.61 | | |
| | | | 292.95 | 5,104.07 | | |
| 9.71 | | 1,742.49 | | | | |
| 276.75 | | 690.49 | | | | |
| 802.22 | 270.00 | 500.00 | 9,718.99 | 212.21 | 358.34 | 10.00 |
| | | | | | | |
| 1,088.68 | 5,630.02 | 2,932.98 | 12,663.62 | 20,548.89 | 358.34 | 10.00 |
| | | | | | | |
| 348,529.64 | 8,175.00 | 20,661.20 | 78,526.49 | 23,034.31 | 8,897.95 | 28,284.96 |
| 69,253.36 | 3,304.72 | 9,953.86 | 37,347.65 | 10,475.62 | 4,519.88 | 12,591.97 |
| 364.51 | | 62.71 | | 2,996.25 | 327.28 | |
| | | | | | | |
| 418,147.51 | 11,479.72 | 30,677.77 | 115,874.14 | 36,506.18 | 13,745.11 | 40,876.93 |
| | | | | | | |
| | | | | | | |
| 70,032.44 | 9,639.98 | 13,000.00 | 73,960.82 | 22,167.39 | 2,750.00 | 10,650.00 |
| | | | | | | |
| 202,420.11 | 2,777.30 | 23,553.87 | 122,225.42 | 21,889.76 | 25,429.91 | 16,417.93 |
| | | | | | | |
| 272,452.55 | 12,417.28 | 36,553.87 | 196,186.24 | 44,057.15 | 28,179.91 | 27,067.93 |
| | | | | | | |
| 691,688.74 | 29,527.02 | 70,164.62 | 324,724.00 | 101,112.22 | 42,283.36 | 67,954.86 |
| | | | | | | |
| 0.3 | 26.4 | 5.9 | 5.2 | 26.3 | 1.1 | 0.0 |

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Concluded

| Municipality | Windermere | Windsor | Wingham | Woodbridge |
|-----------------------------------------------|--------------|---------------|--------------|--------------|
| Population | 118 | 117,539 | 2,155 | 1,128 |
| ASSETS | \$ c. | \$ c. | \$ c. | \$ c. |
| Lands and buildings | | 492,772.37 | 21,654.35 | |
| Substation equipment | | 1,456,591.07 | 4,863.91 | |
| Distribution system—overhead | 9,954.48 | 1,417,295.43 | 44,059.35 | 20,283.24 |
| Distribution system—underground | | 240,244.08 | | |
| Line transformers | 3,923.50 | 624,858.70 | 23,046.79 | 8,433.19 |
| Meters | 1,328.99 | 615,960.40 | 19,922.60 | 7,066.23 |
| Street light equipment, regular | 247.26 | 109,705.70 | 11,227.49 | 624.03 |
| Street light equipment, ornamental | | 1,021,495.33 | | |
| Miscellaneous construction expense | 525.65 | 180,273.21 | 7,193.00 | 697.35 |
| Steam or hydraulic plant | | | 14,711.99 | |
| Old plant | | 166,440.66 | 12,320.02 | |
| Total plant | 15,979.88 | 6,325,636.95 | 158,999.50 | 37,104.04 |
| Bank and cash balance | 1,296.39 | 42,979.74 | | 307.25 |
| Securities and investments | 3,600.00 | 1,466,616.45 | | 13,000.00 |
| Accounts receivable | 24.64 | 152,754.23 | 5,455.57 | 2,242.77 |
| Inventories | | 238,449.86 | 13,681.55 | |
| Sinking fund on local debentures | | 86,791.48 | | |
| Equity in H-E.P.C. systems | 3,861.40 | 4,413,572.74 | 57,088.97 | 47,207.21 |
| Other assets | | | | |
| Total assets | 24,762.31 | 12,726,801.45 | 235,225.59 | 99,861.27 |
| LIABILITIES | | | | |
| Debenture balance | 4,466.70 | 235,863.80 | 12,729.44 | |
| Accounts payable | 137.82 | 133,137.39 | 137.06 | 3,560.18 |
| Bank overdraft | | | 2,365.03 | |
| Other liabilities | | 1,144,917.37 | 709.15 | 682.38 |
| Total liabilities | 4,604.52 | 1,513,918.56 | 15,940.68 | 4,242.56 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems | 3,861.40 | 4,413,572.74 | 57,088.97 | 47,207.21 |
| For depreciation | 5,249.23 | 1,915,974.67 | 44,956.84 | 14,664.98 |
| Other reserves | | 565,028.23 | | 5,200.00 |
| Total reserves | 9,110.63 | 6,894,575.64 | 102,045.81 | 67,072.19 |
| SURPLUS | | | | |
| Debentures paid | 7,296.60 | 2,347,968.25 | 83,376.06 | 8,499.97 |
| Local sinking fund | | 86,791.48 | | |
| Operating surplus | 3,750.56 | 1,883,547.52 | 33,863.04 | 20,046.55 |
| Total surplus | 11,047.16 | 4,318,307.25 | 117,239.10 | 28,546.52 |
| Total liabilities, reserves and surplus | 24,762.31 | 12,726,801.45 | 235,225.59 | 99,861.27 |
| Percentage of net debt to total assets | 22.0 | 5.6 | 8.9 | 8.1 |

“A”—Continued

Hydro Municipalities as at December 31, 1946

| Woodstock 12,916 | Woodville 388 | Wyoming 576 | York Twp. V.A. | Zurich P.V. | SOUTHERN ONTARIO SYSTEM SUMMARY |
|---------------------|------------------|----------------|-------------------|----------------|------------------------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 66,555.59 | | 50.00 | 79,010.22 | | 11,051,303.05 |
| 135,109.53 | | | 345,701.72 | | 26,016,993.86 |
| 145,972.29 | 3,621.98 | 12,139.31 | 853,391.22 | 7,525.29 | 26,378,365.91 |
| | | | | | 6,848,694.50 |
| 85,220.66 | 2,182.54 | 2,803.41 | 411,691.79 | 2,844.27 | 13,783,191.50 |
| 77,778.13 | 2,396.23 | 3,995.53 | 379,820.91 | 3,203.84 | 11,820,687.52 |
| 23,863.18 | 548.71 | 548.49 | 104,821.40 | 471.82 | 2,974,508.80 |
| | | | | | 1,555,698.39 |
| 12,224.52 | 251.91 | 842.52 | 85,759.15 | 331.37 | 3,697,117.07 |
| | | | | | 755,727.39 |
| | | | | | 658,421.95 |
| 546,723.90 | 9,001.37 | 20,379.26 | 2,260,196.41 | 14,376.59 | 105,540,709.94 |
| | 1,498.38 | 1,633.11 | | 1,507.90 | 3,572,074.65 |
| 93,000.00 | 5,000.00 | 2,600.00 | 400,000.00 | 9,500.00 | 25,764,877.14 |
| 2,560.17 | 88.40 | 64.06 | 67,327.77 | 62.93 | 3,980,096.36 |
| 296.45 | | | 60,437.43 | | 2,085,350.55 |
| | | | | | 4,470,518.41 |
| 596,424.96 | 13,805.41 | 11,618.04 | 1,103,271.83 | 18,784.37 | 76,331,106.59 |
| 249.60 | | | | | 289,749.28 |
| 1,239,255.08 | 29,393.56 | 36,294.47 | 3,891,233.44 | 44,231.79 | 222,034,482.92 |
| | | | | | |
| 3,418.59 | 587.01 | 811.13 | 46,820.61 | 372.79 | 8,735,685.51 |
| 1,833.72 | | | 73,264.40 | 134.53 | 2,175,505.13 |
| 9,512.14 | 22.00 | 108.56 | 54,848.24 | | 298,300.09 |
| | | | 35,475.26 | 10.00 | 2,527,110.56 |
| 14,764.45 | 609.01 | 919.69 | 210,408.51 | 517.32 | 13,736,601.29 |
| | | | | | |
| 596,424.96 | 13,805.41 | 11,618.04 | 1,103,271.83 | 18,784.37 | 76,331,106.59 |
| 233,693.76 | 4,117.25 | 6,673.97 | 831,190.79 | 8,360.89 | 36,715,247.64 |
| 65,476.44 | 560.56 | 32.63 | 14,746.09 | | 6,962,553.38 |
| 895,595.16 | 18,483.22 | 18,324.64 | 1,949,208.71 | 27,145.26 | 120,008,907.61 |
| | | | | | |
| 127,385.63 | 5,500.00 | 9,700.00 | 442,554.04 | 5,218.82 | 47,497,108.49 |
| 201,509.84 | 4,801.33 | 7,350.14 | 1,289,062.18 | 11,350.39 | 4,470,518.41 |
| | | | | | 36,321,347.12 |
| 328,895.47 | 10,301.33 | 17,050.14 | 1,731,616.22 | 16,569.21 | 88,288,974.02 |
| 1,239,255.08 | 29,393.56 | 36,294.47 | 3,891,233.44 | 44,231.79 | 222,034,482.92 |
| 2.3 | 4.2 | 3.7 | 7.5 | 2.0 | 5.5 |

STATEMENT

Balance Sheets of Electrical Departments of

THUNDER BAY SYSTEM

| Municipality..... | Fort William | Nipigon Twp. V.A. | Port Arthur | THUNDER BAY SYSTEM SUMMARY |
|----------------------------------------------|--------------|-------------------------|--------------|-------------------------------------|
| Population..... | 30,590 | | 25,373 | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| ASSETS | | | | |
| Lands and buildings..... | 106,975.18 | 215.03 | 471,137.16 | 578,327.37 |
| Substation equipment..... | 161,497.37 | | 311,881.37 | 473,378.74 |
| Distribution system—overhead..... | 270,729.53 | 19,829.42 | 550,418.03 | 840,976.98 |
| Distribution system—underground..... | | | | |
| Line transformers..... | 118,787.87 | 5,520.11 | 137,423.28 | 261,731.26 |
| Meters..... | 107,706.09 | 5,116.53 | 132,360.21 | 245,182.83 |
| Street light equipment, regular..... | 50,956.17 | 2,473.06 | 84,688.53 | 138,117.76 |
| Street light equipment, ornamental..... | | | | |
| Miscellaneous construction expense..... | 20,584.91 | 436.00 | 34,438.97 | 55,459.88 |
| Steam or hydraulic plant..... | | | 325,003.44 | 325,003.44 |
| Old plant..... | | | | |
| Total plant..... | 837,237.12 | 33,590.15 | 2,047,350.99 | 2,918,178.26 |
| Bank and cash balance..... | | 4,150.81 | | 4,150.81 |
| Securities and investments..... | 270,300.00 | 11,000.00 | 871,012.67 | 1,152,312.67 |
| Accounts receivable..... | 37,878.48 | 100.21 | 46,955.38 | 84,934.07 |
| Inventories..... | 31,159.60 | | 25,868.20 | 57,027.80 |
| Sinking fund on local debentures..... | 138,695.75 | | | 138,695.75 |
| Equity in H-E.P.C. systems..... | 1,171,934.65 | 11,761.25 | 3,155,534.36 | 4,339,230.26 |
| Other assets..... | 600.00 | 12.32 | 32,759.33 | 33,371.65 |
| Total assets..... | 2,487,805.60 | 60,614.74 | 6,179,480.93 | 8,727,901.27 |
| LIABILITIES | | | | |
| Debenture balance..... | 250,000.00 | | | 250,000.00 |
| Accounts payable..... | | 49.65 | 51,117.42 | 51,167.07 |
| Bank overdraft..... | 5,663.71 | | 39,094.69 | 44,758.40 |
| Other liabilities..... | 39,257.79 | 231.24 | | 39,489.03 |
| Total liabilities..... | 294,921.50 | 280.89 | 90,212.11 | 385,414.50 |
| RESERVES | | | | |
| For equity in H-E.P.C. systems..... | 1,171,934.65 | 11,761.25 | 3,155,534.36 | 4,339,230.26 |
| For depreciation..... | 231,933.30 | 7,141.95 | 824,659.34 | 1,063,734.59 |
| Other reserves..... | 65,126.27 | 3,500.00 | 157,676.40 | 226,302.67 |
| Total reserves..... | 1,468,994.22 | 22,403.20 | 4,137,870.10 | 5,629,267.52 |
| SURPLUS | | | | |
| Debentures paid..... | 124,209.11 | 10,000.00 | 642,100.00 | 776,309.11 |
| Local sinking fund..... | 138,695.75 | | | 138,695.75 |
| Operating surplus..... | 460,985.02 | 27,930.65 | 1,309,298.72 | 1,798,214.39 |
| Total surplus..... | 723,889.88 | 37,930.65 | 1,951,398.72 | 2,713,219.25 |
| Total liabilities, reserves and surplus..... | 2,487,805.60 | 60,614.74 | 6,179,480.93 | 8,727,901.27 |
| Percentage of net debt to total assets..... | 13.2 | 0.6 | 2.9 | 5.8 |

“A”—Concluded

Hydro Municipalities as at December 31, 1946

NORTHERN ONTARIO DISTRICTS

| Capreol 1,680 | North Bay 15,968 | Sioux Lookout 1,897 | Sudbury 36,299 | NORTHERN ONTARIO DISTRICTS SUMMARY | ALL SYSTEMS GRAND SUMMARY |
|------------------------------------------|------------------------------------------------|----------------------------------|-------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| \$ c. 450.00 9,730.32 13,664.22 | \$ c. 57,230.13 72,546.26 162,932.22 | \$ c. 9,619.12 | \$ c. 143,014.90 206,294.45 405,380.19 | \$ c. 200,695.03 288,571.03 591,595.75 | \$ c. 11,830,325.45 26,778,943.63 27,810,938.64 6,848,694.50 14,247,872.95 12,325,105.86 3,268,433.46 1,555,698.39 3,802,802.98 1,080,730.83 658,421.95 |
| 6,889.78 6,468.00 1,126.26 | 55,800.35 90,254.06 31,338.72 | 4,467.38 6,555.99 1,794.15 | 135,792.68 155,957.46 121,547.77 | 202,950.19 259,235.51 155,806.90 | 1,555,698.39 3,802,802.98 1,080,730.83 658,421.95 |
| 577.76 | 33,083.93 | 621.59 | 15,942.75 | 50,226.03 | |
| 38,906.34 | 503,185.67 | 23,058.23 | 1,183,930.20 | 1,749,080.44 | 110,207,968.64 |
| 364.93 7,500.00 1,041.93 | 30,000.00 24,715.32 16,933.48 | 7,485.45 2,663.95 1,199.87 | 197,500.00 39,732.60 32,720.10 | 7,850.38 235,000.00 68,153.80 50,853.45 | 3,584,075.84 27,152,189.81 4,133,184.23 2,193,231.80 4,609,214.16 80,670,336.85 326,083.52 |
| 56.50 | 405.82 | | 2,500.27 | 2,962.59 | |
| 47,869.70 | 575,240.29 | 34,407.50 | 1,456,383.17 | 2,113,900.66 | 232,876,284.85 |
| 399.75 | 9,000.00 2,845.91 10,843.44 33,602.17 | 935.70 | 54,898.09 36,415.15 1,515.78 32,900.78 | 63,898.09 40,596.51 12,359.22 69,651.93 | 9,049,583.60 2,267,268.71 355,417.71 2,636,251.52 |
| 415.00 | | 2,733.98 | | | |
| 814.75 | 56,291.52 | 3,669.68 | 125,729.80 | 186,505.75 | 14,308,521.54 |
| 9,511.66 96.09 | 266,732.72 12,502.20 | 2,112.14 128.20 | 195,864.96 154,776.92 | 474,221.48 167,503.41 | 80,670,336.85 38,253,203.71 7,356,359.46 |
| 9,607.75 | 279,234.92 | 2,240.34 | 350,641.88 | 641,724.89 | 126,279,900.02 |
| 19,000.00 | 231,000.00 | | 412,440.44 | 662,440.44 | 48,935,858.04 4,609,214.16 38,742,791.09 |
| 18,447.20 | 8,713.85 | 28,497.48 | 567,571.05 | 623,229.58 | |
| 37,447.20 | 239,713.85 | 28,497.48 | 980,011.49 | 1,285,670.02 | 92,287,863.29 |
| 47,869.70 | 575,240.29 | 34,407.50 | 1,456,383.17 | 2,113,900.66 | 232,876,284.85 |
| 1.7 | 9.7 | 10.6 | 8.6 | 8.8 | 5.6 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM

| Municipality..... | Acton | Agincourt | Ailsa Craig | Alexandria | Alliston |
|--------------------------------------------------------|-----------|-----------|-------------|------------|-----------|
| Population..... | 1,976 | P.V. | 395 | 1,904 | 1,528 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 17,189.88 | 7,637.75 | 3,288.10 | 10,175.66 | 14,318.63 |
| Commercial light service..... | 7,847.63 | 2,001.91 | 1,238.82 | 6,803.90 | 9,901.58 |
| Commercial power service..... | 32,415.93 | 1,655.66 | 1,707.27 | 5,212.93 | 6,299.39 |
| Municipal power..... | 802.74 | | | 840.72 | 898.67 |
| Street lighting..... | 2,092.65 | 834.00 | 696.00 | 1,964.00 | 2,048.91 |
| Merchandise..... | | | | | 2.08 |
| Miscellaneous..... | 654.09 | 460.00 | 356.16 | 989.89 | 492.27 |
| Total earnings..... | 61,002.92 | 12,589.32 | 7,286.35 | 25,987.10 | 33,961.53 |
| EXPENSES | | | | | |
| Power purchased..... | 50,055.89 | 7,048.14 | 5,814.05 | 15,471.25 | 18,622.65 |
| Substation operation..... | 63.90 | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 3,368.33 | 165.10 | 144.68 | 1,899.68 | 3,832.99 |
| Line transformer maintenance..... | 113.40 | 147.45 | | 218.87 | 127.45 |
| Meter maintenance..... | 403.12 | 52.00 | 215.05 | 361.32 | 200.13 |
| Consumers' premises expenses..... | 20.44 | 53.27 | | | 422.89 |
| Street lighting, operation and maintenance..... | 434.98 | 103.96 | 60.57 | 368.12 | 275.68 |
| Promotion of business..... | 8.25 | | | | |
| Billing and collecting..... | 1,165.29 | 587.10 | 413.91 | 1,049.01 | 1,325.13 |
| General office, salaries and expenses.. | 1,370.13 | 145.25 | 85.59 | 1,235.66 | 674.58 |
| Undistributed expenses..... | 818.97 | 7.47 | 20.63 | 87.25 | 134.66 |
| Truck operation and maintenance.... | 559.82 | | | 261.24 | |
| Interest..... | | 9.84 | | | 269.47 |
| Sinking fund and principal payments on debentures..... | | | | | 2,160.50 |
| Depreciation..... | 1,910.00 | 640.00 | 410.00 | 1,280.00 | 1,209.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 60,292.52 | 8,959.58 | 7,164.48 | 22,232.40 | 29,255.13 |
| Net surplus..... | 710.40 | 3,629.74 | 121.87 | 3,754.70 | 4,706.40 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 596 | 177 | 162 | 461 | 452 |
| Commercial light service..... | 111 | 31 | 34 | 117 | 127 |
| Power service..... | 20 | 5 | 4 | 19 | 23 |
| Total..... | 727 | 213 | 200 | 597 | 602 |

“B”

Hydro Municipalities for Year Ended December 31, 1946

| Almonte | Alvinston | Amherstburg | Ancaster Twp. V.A. | Apple Hill | Arkona | Arnprior |
|-----------|-----------|-------------|--------------------------|------------|----------|-----------|
| 2,250 | 611 | 2,826 | | P.V. | 374 | 4,010 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 15,161.70 | 4,070.05 | 27,303.72 | 15,421.86 | 1,596.00 | 3,068.73 | 21,364.68 |
| 6,108.65 | 2,416.34 | 10,869.42 | 4,851.27 | 952.52 | 1,481.49 | 12,476.68 |
| 7,751.69 | 1,614.75 | 10,354.92 | 717.38 | 573.40 | 308.05 | 20,422.66 |
| 745.51 | 257.73 | | 283.20 | | | 2,384.58 |
| 2,727.00 | 1,595.00 | 2,425.77 | 1,166.50 | 463.50 | 1,098.67 | 3,114.00 |
| 1,479.12 | | 154.81 | | | | |
| 1,806.24 | 330.00 | 1,435.77 | 246.10 | 103.37 | 109.60 | 1,681.47 |
| 35,779.91 | 10,283.87 | 52,544.41 | 22,686.31 | 3,688.79 | 6,066.54 | 61,444.07 |
| 14,706.44 | 6,308.04 | 35,227.05 | 12,928.29 | 2,006.50 | 3,196.26 | 35,918.61 |
| 5,895.64 | | | | | | |
| 301.39 | | | | | | |
| 1,451.45 | 467.53 | 2,039.16 | 2,704.09 | 218.00 | 425.95 | 2,347.24 |
| 68.69 | | 356.65 | 200.24 | | 44.12 | 299.21 |
| 618.71 | | 596.70 | 391.70 | 41.99 | 90.68 | 967.81 |
| 39.42 | | 1,508.06 | 197.41 | | | 92.18 |
| 202.73 | 109.53 | 1,073.57 | 438.60 | 72.06 | 100.37 | 309.17 |
| | | 12.50 | | | | |
| 1,629.20 | 397.30 | 996.32 | 2,199.65 | 268.27 | 313.56 | 2,677.12 |
| 1,302.02 | 278.67 | 1,072.67 | 902.37 | 60.91 | 178.61 | 2,654.90 |
| 1,168.42 | 47.16 | 304.46 | 232.55 | | 6.31 | 58.35 |
| 995.79 | | 170.70 | 671.43 | | | |
| 1,804.35 | | 146.73 | 283.53 | | | 633.07 |
| 3,234.15 | | 2,617.48 | 978.27 | | | 3,147.73 |
| 3,692.00 | 619.00 | 1,890.00 | 898.00 | 163.00 | 318.00 | 1,726.00 |
| | | | | | | |
| 37,110.40 | 8,227.23 | 48,012.05 | 23,026.13 | 2,830.73 | 4,673.86 | 50,831.39 |
| | 2,056.64 | 4,532.36 | | 858.06 | 1,392.68 | 10,612.68 |
| 1,330.49 | | | 339.82 | | | |
| 689 | 225 | 791 | 408 | 72 | 126 | 957 |
| 110 | 58 | 153 | 51 | 21 | 36 | 226 |
| 24 | 5 | 16 | 9 | 2 | 2 | 24 |
| 823 | 288 | 960 | 468 | 95 | 164 | 1,207 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Arthur | Athens | Aurora | Aylmer | Ayr |
|--------------------------------------------------------|-----------|----------|-----------|-----------|-----------|
| Population..... | 922 | 714 | 3,004 | 2,475 | 718 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 6,065.38 | 4,517.93 | 27,581.97 | 18,586.36 | 6,678.58 |
| Commercial light service..... | 6,154.57 | 1,959.99 | 10,407.14 | 14,159.42 | 2,740.52 |
| Commercial power service..... | 1,473.10 | 810.41 | 19,432.64 | 8,889.22 | 2,466.35 |
| Municipal power..... | 430.92 | | 2,037.58 | 830.04 | |
| Street lighting..... | 1,395.00 | 1,204.00 | 4,184.97 | 3,374.00 | 1,192.00 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 277.50 | 254.55 | 360.00 | 1,025.73 | 105.00 |
| Total earnings..... | 15,796.47 | 8,746.88 | 64,004.30 | 46,864.77 | 13,182.45 |
| EXPENSES | | | | | |
| Power purchased..... | 8,615.28 | 5,746.65 | 43,718.13 | 29,331.13 | 8,842.03 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 1,127.73 | 358.14 | 2,075.33 | 3,360.61 | 650.64 |
| Line transformer maintenance..... | | 15.10 | 235.06 | 167.64 | 11.04 |
| Meter maintenance..... | 172.45 | 18.24 | 689.82 | 37.30 | 38.30 |
| Consumers' premises expenses..... | | | 2,547.77 | 334.54 | 41.21 |
| Street lighting, operation and maintenance..... | 357.66 | 114.13 | 942.03 | 552.33 | 191.89 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | | 289.16 | 1,673.70 | 1,524.81 | 643.63 |
| General office, salaries and expenses.. | 823.48 | 122.47 | 1,218.64 | 1,229.02 | 98.14 |
| Undistributed expenses..... | 44.48 | | 464.61 | 411.62 | 42.77 |
| Truck operation and maintenance..... | | | 465.94 | 386.43 | |
| Interest..... | 268.69 | 181.46 | | 188.08 | 92.11 |
| Sinking fund and principal payments on debentures..... | 1,518.21 | 997.67 | | 1,416.98 | 330.08 |
| Depreciation..... | 957.00 | 427.00 | 1,873.00 | 2,776.00 | 540.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 13,884.98 | 8,270.02 | 55,904.03 | 41,716.49 | 11,521.84 |
| Net surplus..... | 1,911.49 | 476.86 | 8,100.27 | 5,148.28 | 1,660.61 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 267 | 185 | 833 | 794 | 239 |
| Commercial light service..... | 88 | 43 | 125 | 160 | 49 |
| Power service..... | 7 | 1 | 18 | 23 | 7 |
| Total..... | 362 | 229 | 976 | 977 | 295 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Baden | Barrie | Bath | Beachville | Beamsville | Beaverton | Beeton |
|-----------|------------|----------|------------|------------|-----------|----------|
| P.V. | 10,583 | 323 | P.V. | 1,338 | 842 | 507 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 4,766.95 | 95,058.56 | 3,335.88 | 4,420.80 | 12,911.30 | 8,548.25 | 3,871.53 |
| 2,186.46 | 53,826.57 | 793.45 | 670.21 | 5,219.97 | 3,659.74 | 2,158.99 |
| 10,378.90 | 42,282.15 | | 18,931.09 | 2,412.22 | 1,416.95 | 435.11 |
| | 4,244.88 | | | | | |
| 738.00 | 6,885.05 | 364.00 | 517.00 | 2,165.58 | 1,455.33 | 1,368.00 |
| | 69.15 | | | | | 15.61 |
| 201.83 | 3,185.07 | | 479.62 | 759.49 | 280.00 | 340.00 |
| 18,272.14 | 205,551.43 | 4,493.33 | 25,018.72 | 23,468.56 | 15,360.27 | 8,189.24 |
| 14,748.21 | 121,368.24 | 2,437.69 | 19,461.93 | 14,624.19 | 10,757.17 | 5,100.00 |
| | 2,552.12 | | | | | |
| | 264.10 | | | | | |
| 131.29 | 12,119.00 | 118.97 | 65.81 | 591.82 | 764.50 | 367.54 |
| 8.00 | 583.88 | | 49.35 | | 47.78 | |
| 26.03 | 2,579.06 | 18.15 | 119.26 | | 45.56 | 198.40 |
| 41.25 | 4,576.80 | | 51.03 | 331.10 | 249.38 | |
| 106.39 | 1,219.32 | 39.55 | 156.28 | 298.85 | 247.22 | 125.41 |
| 293.76 | 5,457.18 | 217.91 | 393.75 | 1,214.43 | 865.77 | 315.39 |
| 240.01 | 3,638.97 | 112.18 | 195.21 | 413.27 | 699.46 | 123.16 |
| 17.18 | 1,571.38 | | 10.60 | 15.23 | 25.30 | |
| | 986.31 | | | | | |
| | 96.35 | 196.17 | | 1.45 | | 134.83 |
| | 1,926.84 | 431.43 | | | | 842.91 |
| 689.00 | 12,128.00 | 201.00 | 580.00 | 1,231.00 | 1,069.00 | 561.00 |
| 16,301.12 | 171,067.55 | 3,773.05 | 21,083.22 | 18,721.34 | 14,771.14 | 7,768.64 |
| 1,971.02 | 34,483.88 | 720.28 | 3,935.50 | 4,747.22 | 589.13 | 420.60 |
| 170 | 2,646 | 82 | 173 | 425 | 344 | 154 |
| 34 | 449 | 14 | 22 | 76 | 68 | 37 |
| 3 | 68 | 0 | 4 | 7 | 8 | 5 |
| 207 | 3,163 | 96 | 199 | 508 | 420 | 196 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Belle River | Belleville | Blenheim | Bloomfield | Blyth |
|--------------------------------------------------------|-------------|------------|-----------|------------|----------|
| Population..... | 845 | 15,967 | 1,873 | 624 | 632 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 7,001.08 | 116,981.29 | 11,082.26 | 3,639.80 | 4,305.78 |
| Commercial light service..... | 3,764.91 | 69,292.45 | 11,449.74 | 2,351.05 | 2,347.01 |
| Commercial power service..... | 172.79 | 51,470.48 | 8,450.27 | 1,402.35 | 1,147.89 |
| Municipal power..... | 1,249.47 | 5,024.35 | 1,483.22 | | |
| Street lighting..... | 1,411.48 | 11,265.06 | 2,913.00 | 845.00 | 1,382.62 |
| Merchandise..... | | 8,817.47 | 695.89 | | |
| Miscellaneous..... | 186.99 | 5,796.64 | 1,016.75 | 335.00 | 301.75 |
| Total earnings..... | 13,786.72 | 268,647.74 | 37,091.13 | 8,573.20 | 9,485.05 |
| EXPENSES | | | | | |
| Power purchased..... | 8,588.06 | 175,605.20 | 21,761.88 | 5,415.25 | 5,807.76 |
| Substation operation..... | | 2,768.24 | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 1,177.49 | 3,599.50 | 871.53 | 243.70 | 695.25 |
| Line transformer maintenance..... | 252.14 | 383.25 | 138.34 | 28.50 | 57.00 |
| Meter maintenance..... | 540.99 | 2,240.64 | 62.06 | 56.81 | 161.82 |
| Consumers' premises expenses..... | 74.58 | 1,908.05 | 307.42 | | 26.75 |
| Street lighting, operation and maintenance..... | 430.81 | 2,799.33 | 1,272.18 | 106.93 | 127.52 |
| Promotion of business..... | | 159.61 | 13.50 | | |
| Billing and collecting..... | 945.99 | 4,811.50 | 1,267.59 | 262.12 | 480.50 |
| General office, salaries and expenses.. | 604.07 | 6,545.28 | 1,803.95 | 140.48 | 147.50 |
| Undistributed expenses..... | 95.44 | 4,461.50 | 7.18 | 1.77 | 79.62 |
| Truck operation and maintenance..... | | 1,067.15 | | | |
| Interest..... | | | | 95.25 | |
| Sinking fund and principal payments on debentures..... | | | | 487.98 | |
| Depreciation..... | 1,243.00 | 12,029.00 | 2,904.00 | 434.00 | 445.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 13,952.57 | 218,378.25 | 30,409.63 | 7,272.79 | 8,028.72 |
| Net surplus..... | | 50,269.49 | 6,681.50 | 1,300.41 | 1,456.33 |
| Net loss..... | 165.85 | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 349 | 4,111 | 584 | 185 | 198 |
| Commercial light service..... | 58 | 668 | 156 | 40 | 56 |
| Power service..... | 4 | 122 | 17 | 7 | 6 |
| Total..... | 411 | 4,901 | 757 | 232 | 260 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| *Bobcay- geon 977 | Bolton 621 | Bothwell 574 | Bowmanville 3,847 | Bradford 1,075 | Braeside 405 | Brampton 6,157 |
|-------------------------|---------------|-----------------|----------------------|-------------------|-----------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 5,247.83 | 5,619.72 | 3,171.64 | 36,544.41 | 8,617.49 | 1,980.83 | 55,799.70 |
| 3,034.29 | 2,277.42 | 2,415.66 | 13,118.73 | 6,836.63 | 401.82 | 24,656.00 |
| 431.01 | 3,665.12 | 1,163.70 | 55,241.94 | 5,142.69 | 5,394.13 | 22,749.60 |
| ..... | 131.62 | 137.49 | ..... | 426.05 | ..... | 2,804.80 |
| 500.00 | 1,127.61 | 1,225.02 | 3,991.51 | 1,404.00 | 408.75 | 6,862.85 |
| ..... | ..... | ..... | 4,595.50 | ..... | ..... | 65.35 |
| 64.90 | 443.55 | 556.19 | 4,654.41 | 285.15 | ..... | 2,025.34 |
| 9,278.03 | 13,265.24 | 8,669.70 | 118,146.50 | 22,712.01 | 8,185.53 | 114,963.64 |
| | | | | | | |
| 2,395.62 | 8,726.85 | 6,410.86 | 77,227.71 | 13,085.61 | 4,807.56 | 88,435.14 |
| 1,800.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 69.01 | ..... | ..... | 38.42 | ..... | ..... | 718.13 |
| | | | | | | |
| 569.73 | 628.94 | 506.65 | 4,611.26 | 1,443.56 | 482.70 | 4,130.97 |
| ..... | 133.50 | ..... | 152.13 | 244.33 | ..... | 436.10 |
| 69.93 | ..... | 119.91 | 1,279.64 | 169.01 | 24.57 | 943.69 |
| ..... | 72.14 | 5.21 | 1,326.12 | 383.02 | 4.42 | 626.46 |
| | | | | | | |
| 218.77 | 111.80 | 283.87 | 400.13 | 342.61 | 41.43 | 820.17 |
| ..... | ..... | ..... | 152.44 | ..... | ..... | 15.00 |
| 388.62 | 388.32 | 331.26 | 3,824.20 | 578.74 | 414.61 | 2,455.08 |
| 229.51 | 354.61 | 356.73 | 3,831.97 | 630.32 | 112.67 | 2,293.80 |
| ..... | 14.16 | 1.76 | 1,741.20 | 263.37 | ..... | 247.52 |
| ..... | ..... | ..... | ..... | 228.22 | ..... | 489.68 |
| 955.64 | ..... | ..... | ..... | 259.62 | 231.90 | ..... |
| | | | | | | |
| 1,436.22 | ..... | ..... | ..... | 1,440.05 | 209.58 | ..... |
| | | | | | | |
| 1,303.00 | 535.00 | 495.00 | 3,564.00 | 919.00 | 133.00 | 4,529.00 |
| | | | | | | |
| | | | | | | |
| 9,436.05 | 10,965.32 | 8,511.25 | 98,149.22 | 19,987.46 | 6,462.44 | 106,140.74 |
| | | | | | | |
| ..... | 2,299.92 | 158.45 | 19,997.28 | 2,724.55 | 1,723.09 | 8,822.90 |
| | | | | | | |
| 158.02 | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | | |
| | | | | | | |
| 409 | 207 | 196 | 1,190 | 301 | 96 | 1,688 |
| 76 | 49 | 61 | 187 | 79 | 9 | 293 |
| 6 | 13 | 8 | 28 | 14 | 2 | 58 |
| | | | | | | |
| 491 | 269 | 265 | 1,405 | 394 | 107 | 2,039 |

* 6 months' operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Brantford | Brantford Twp. V.A. | Brechin | Bridgeport | Bridgen |
|-----------------------------------------------------------|------------|---------------------------|----------|------------|----------|
| Population..... | 34,267 | | P.V. | P.V. | P.V. |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 201,669.25 | 50,803.95 | 1,828.79 | 5,697.35 | 2,393.51 |
| Commercial light service..... | 107,025.89 | 7,532.38 | 945.94 | 1,694.88 | 1,971.67 |
| Commercial power service..... | 316,961.70 | 8,480.80 | 763.86 | 2,329.69 | 2,433.16 |
| Municipal power..... | 9,897.09 | | | | |
| Street lighting..... | 34,342.77 | 5,958.16 | 476.00 | 876.00 | 794.88 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 11,351.87 | 1,636.49 | 15.00 | 212.45 | 271.83 |
| Total earnings..... | 681,248.57 | 74,411.78 | 4,029.59 | 10,810.37 | 7,865.05 |
| EXPENSES | | | | | |
| Power purchased..... | 523,256.08 | 50,883.49 | 2,273.53 | 7,607.22 | 5,311.60 |
| Substation operation..... | 10,252.47 | 161.46 | | | |
| Substation maintenance..... | 1,501.48 | | | | |
| Distribution system, operation and maintenance..... | 9,574.09 | 3,283.43 | 215.22 | 290.31 | 378.80 |
| Line transformer maintenance..... | 771.57 | 288.34 | | 8.25 | 8.60 |
| Meter maintenance..... | 8,527.88 | 1,343.33 | | 182.65 | 2.50 |
| Consumers' premises expenses..... | 14,737.67 | 660.21 | | 70.38 | |
| Street lighting, operation and main- tenance..... | 5,604.06 | 1,372.15 | 153.73 | 88.92 | 35.00 |
| Promotion of business..... | 114.64 | | | | |
| Billing and collecting..... | 9,476.61 | 2,527.92 | | 565.35 | 448.49 |
| General office, salaries and expenses.. | 12,704.03 | 3,250.56 | 407.76 | 32.02 | 192.94 |
| Undistributed expenses..... | 6,176.39 | 1,147.90 | | 6.93 | 8.23 |
| Truck operation and maintenance.... | 2,921.82 | 1,990.33 | | | |
| Interest..... | | 2,989.93 | 124.68 | 111.90 | |
| Sinking fund and principal payments on debentures..... | | 2,121.66 | 81.40 | 1,091.74 | |
| Depreciation..... | 27,373.00 | 5,256.00 | 126.00 | 465.00 | 383.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 632,991.79 | 77,276.71 | 3,382.32 | 10,520.67 | 6,769.16 |
| Net surplus..... | 48,256.78 | | 647.27 | 289.70 | 1,095.89 |
| Net loss..... | | 2,864.93 | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 8,768 | 1,899 | 63 | 192 | 131 |
| Commercial light service..... | 1,393 | 87 | 24 | 27 | 41 |
| Power service..... | 222 | 9 | 1 | 4 | 4 |
| Total..... | 10,383 | 1,995 | 88 | 223 | 176 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Brighton | Brockville | Brussels | Burford | Burgessville | Burlington | Caledonia |
|-----------|------------|-----------|-----------|--------------|------------|-----------|
| 1,726 | 11,077 | 748 | P.V. | P.V. | 4,347 | 1,435 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 14,182.39 | 75,372.43 | 5,557.63 | 6,078.84 | 1,969.90 | 49,590.71 | 7,898.15 |
| 5,383.38 | 32,724.88 | 3,250.63 | 2,456.79 | 709.44 | 21,907.32 | 6,084.06 |
| 4,563.31 | 88,531.48 | 3,478.63 | 1,987.92 | 1,172.03 | 19,689.40 | 2,632.23 |
| | 8,718.07 | | | | 1,057.01 | |
| 2,028.12 | 8,679.75 | 1,296.00 | 701.03 | 312.00 | 2,544.44 | 2,109.45 |
| | | | | | | |
| 520.00 | 5,991.09 | 474.24 | 240.48 | 115.29 | 342.60 | 317.67 |
| | | | | | | |
| 26,677.20 | 220,017.70 | 14,057.13 | 11,465.06 | 4,278.66 | 95,131.48 | 19,041.56 |
| | | | | | | |
| | | | | | | |
| 16,061.99 | 158,352.68 | 8,519.75 | 8,604.93 | 3,762.01 | 49,229.56 | 12,060.79 |
| | 6,671.80 | | | | | |
| | 991.87 | | | | | |
| | | | | | | |
| 2,248.96 | 4,216.75 | 689.98 | 1,071.28 | 66.99 | 3,031.34 | 1,279.88 |
| 99.06 | 237.16 | 133.68 | | 28.44 | 129.24 | 195.99 |
| 282.42 | 2,349.27 | 89.07 | 127.20 | 14.52 | 1,616.88 | 737.15 |
| 28.13 | | | 44.06 | | 1,244.81 | 281.15 |
| | | | | | | |
| 488.76 | 1,744.28 | 134.02 | 181.77 | 86.38 | 665.92 | 443.51 |
| | | | | | | 24.25 |
| 1,349.64 | 3,452.91 | | 622.14 | | 3,578.27 | 1,155.10 |
| 2,050.19 | 6,061.52 | 809.60 | 285.18 | 215.84 | 1,482.88 | 1,529.80 |
| 375.30 | 1,517.48 | 28.27 | 20.56 | 0.69 | 16.63 | 268.80 |
| 510.24 | 809.48 | | | | | 581.22 |
| 120.96 | | 2.56 | | 27.00 | 5,216.25 | 2.50 |
| | | | | | | |
| 1,727.32 | | | | | 5,822.76 | |
| | | | | | | |
| 1,169.00 | 6,485.00 | 625.00 | 722.00 | 231.00 | 4,157.00 | 1,185.00 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 26,511.97 | 192,890.20 | 11,031.93 | 11,679.12 | 4,432.87 | 76,191.54 | 19,745.14 |
| | | | | | | |
| 165.23 | 27,127.50 | 3,025.20 | | | 18,939.94 | |
| | | | | | | |
| | | | 214.06 | 154.21 | | 703.58 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 612 | 3,229 | 259 | 241 | 64 | 1,370 | 466 |
| 114 | 412 | 67 | 44 | 18 | 162 | 109 |
| 9 | 76 | 8 | 4 | 3 | 21 | 12 |
| | | | | | | |
| 735 | 3,717 | 334 | 289 | 85 | 1,553 | 587 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Campbell- ville P.V. | Canning- ton 812 | Cardinal 1,639 | Carleton Place 4,239 | Cayuga 619 |
|-----------------------------------------------------------|----------------------------|------------------------|-------------------|----------------------------|---------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 1,483.70 | 6,466.81 | 10,518.01 | 25,888.14 | 4,938.40 |
| Commercial light service..... | 531.13 | 3,261.37 | 2,565.14 | 12,280.52 | 4,845.36 |
| Commercial power service..... | 379.97 | 2,641.26 | 383.19 | 29,521.40 | 4,519.07 |
| Municipal power..... | | | | 1,565.86 | |
| Street lighting..... | 400.00 | 1,279.44 | 1,141.50 | 4,962.00 | 1,530.16 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 151.85 | 219.10 | 210.00 | 2,156.52 | 245.04 |
| Total earnings..... | 2,946.65 | 13,867.98 | 14,817.84 | 76,374.44 | 16,078.03 |
| EXPENSES | | | | | |
| Power purchased..... | 2,438.50 | 8,887.08 | 10,530.42 | 47,870.91 | 8,032.39 |
| Substation operation..... | | | | 111.99 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 79.75 | 533.98 | 904.48 | 4,145.95 | 565.08 |
| Line transformer maintenance..... | | | 53.60 | 378.78 | 118.55 |
| Meter maintenance..... | | 162.68 | 60.16 | 765.47 | 492.42 |
| Consumers' premises expenses..... | | 151.91 | | 243.30 | |
| Street lighting, operation and main- tenance..... | 34.00 | 269.31 | 133.26 | 777.14 | 267.20 |
| Promotion of business..... | | | | 16.04 | |
| Billing and collecting..... | 79.00 | 565.84 | 678.75 | 2,034.21 | 727.33 |
| General office, salaries and expenses.. | 82.08 | 624.13 | 182.81 | 4,665.24 | 577.44 |
| Undistributed expenses..... | 0.62 | | 45.87 | 489.45 | 298.50 |
| Truck operation and maintenance..... | | | | 509.29 | |
| Interest..... | | | 238.13 | 466.06 | 42.06 |
| Sinking fund and principal payments on debentures..... | | | 843.08 | 2,439.90 | |
| Depreciation..... | 117.00 | 716.00 | 646.00 | 3,304.00 | 670.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 2,830.95 | 11,910.93 | 14,316.56 | 68,217.73 | 11,790.97 |
| Net surplus..... | 115.70 | 1,957.05 | 501.28 | 8,156.71 | 4,287.06 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 56 | 274 | 399 | 1,128 | 200 |
| Commercial light service..... | 11 | 71 | 57 | 195 | 72 |
| Power service..... | 1 | 10 | 3 | 19 | 9 |
| Total..... | 68 | 355 | 459 | 1,342 | 281 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Chatham | Chatsworth | Chesley | Chesterville | Chippawa | Clifford | Clinton |
|------------|------------|-----------|--------------|-----------|----------|-----------|
| 18,033 | 338 | 1,548 | 1,047 | 1,251 | 431 | 2,091 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 115,812.31 | 2,696.83 | 11,042.95 | 6,149.52 | 8,841.97 | 3,258.98 | 15,527.06 |
| 118,586.44 | 1,467.51 | 6,012.72 | 4,795.90 | 2,450.84 | 2,271.35 | 9,218.38 |
| 101,173.09 | | 7,675.99 | 4,573.92 | 187.70 | 707.28 | 4,677.12 |
| 7,462.51 | | 823.14 | | 965.13 | | 1,578.15 |
| 22,276.06 | 559.00 | 2,370.96 | 1,131.00 | 2,207.27 | 970.00 | 2,791.00 |
| 6,725.12 | | | | | | 980.59 |
| 5,396.48 | 91.49 | 613.86 | 698.65 | 416.69 | 150.28 | 1,263.80 |
| 377,432.01 | 4,814.83 | 28,539.62 | 17,348.99 | 15,069.60 | 7,357.89 | 36,036.10 |
| 202,307.02 | 4,181.70 | 19,251.16 | 11,227.91 | 8,576.21 | 5,140.66 | 23,367.08 |
| 8,920.34 | | | | | | 100.00 |
| 6,021.21 | | | | | | |
| 16,625.34 | 131.95 | 1,257.77 | 1,432.03 | 1,070.71 | 315.34 | 2,011.70 |
| 2,899.71 | | 51.34 | 7.05 | 225.58 | 85.00 | 163.50 |
| 7,457.09 | 71.57 | 265.79 | 176.07 | 516.13 | 17.40 | 169.65 |
| 6,276.37 | | 534.87 | | 178.96 | 149.23 | 128.96 |
| 6,972.48 | 142.88 | 457.06 | 69.25 | 905.72 | 99.99 | 252.69 |
| 6,111.31 | | | | 40.00 | | |
| 12,333.55 | | 818.31 | 609.29 | 893.60 | 273.10 | 1,172.07 |
| 19,639.26 | 298.89 | 662.49 | 505.90 | 914.71 | 106.79 | 2,701.99 |
| 7,736.03 | 15.98 | 60.20 | 27.02 | 124.96 | 18.82 | 157.44 |
| 4,345.99 | | 84.09 | | 226.72 | | 96.46 |
| 3,747.10 | | | | | 269.46 | |
| 11,173.10 | | | | | 339.96 | |
| 23,343.00 | 254.00 | 1,160.00 | 502.00 | 1,096.00 | 287.00 | 1,629.00 |
| 12,000.00 | | | | | | |
| 357,908.90 | 5,096.97 | 24,603.08 | 14,556.52 | 14,769.30 | 7,102.75 | 31,950.54 |
| 19,523.11 | | 3,936.54 | 2,792.47 | 300.30 | 255.14 | 4,085.56 |
| | 282.14 | | | | | |
| 4,768 | 121 | 478 | 265 | 368 | 138 | 617 |
| 875 | 27 | 89 | 72 | 53 | 34 | 132 |
| 132 | 0 | 24 | 4 | 2 | 2 | 18 |
| 5,775 | 148 | 591 | 341 | 423 | 174 | 767 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Cobden | Cobourg | Colborne | Coldwater | Colling- wood |
|-----------------------------------------------------------|----------|------------|-----------|-----------|------------------|
| Population..... | 611 | 4,996 | 907 | 595 | 6,835 |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 3,520.38 | 46,285.97 | 8,603.17 | 4,326.02 | 38,183.26 |
| Commercial light service..... | 2,836.99 | 26,254.06 | 5,529.83 | 1,962.78 | 18,284.20 |
| Commercial power service..... | 2,555.96 | 30,283.28 | 930.44 | 3,567.47 | 34,297.84 |
| Municipal power..... | | 2,005.93 | 232.49 | | 1,701.20 |
| Street lighting..... | 740.50 | 5,869.32 | 1,524.00 | 894.50 | 4,005.00 |
| Merchandise..... | | 232.45 | 4,012.41 | | 6.00 |
| Miscellaneous..... | 63.78 | 1,965.81 | 141.24 | 105.12 | 1,929.08 |
| Total earnings..... | 9,717.61 | 112,896.82 | 20,973.58 | 10,855.89 | 98,406.58 |
| EXPENSES | | | | | |
| Power purchased..... | 5,873.07 | 64,381.14 | 8,308.56 | 5,553.77 | 62,334.49 |
| Substation operation..... | | | | | 558.47 |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 561.65 | 3,518.27 | 1,923.32 | 605.57 | 4,570.68 |
| Line transformer maintenance..... | 33.20 | 307.20 | 18.20 | | 713.81 |
| Meter maintenance..... | 86.33 | 833.70 | 178.53 | 156.80 | 1,340.55 |
| Consumers' premises expenses..... | | 545.64 | 630.68 | 66.56 | 1.20 |
| Street lighting, operation and main- tenance..... | 183.86 | 1,665.41 | 249.75 | 197.68 | 248.48 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 522.44 | 4,388.26 | 1,195.37 | 686.41 | 2,799.67 |
| General office, salaries and expenses.. | 105.00 | 4,514.46 | 897.02 | 195.53 | 1,298.01 |
| Undistributed expenses..... | | 1,219.46 | 144.56 | | 685.32 |
| Truck operation and maintenance..... | | 441.73 | 263.57 | | 509.17 |
| Interest..... | 81.84 | 1,286.40 | 343.40 | | |
| Sinking fund and principal payments on debentures..... | 819.68 | 5,986.75 | 820.51 | | |
| Depreciation..... | 243.00 | 6,040.00 | 575.00 | 613.00 | 4,136.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 8,510.07 | 95,128.42 | 15,548.47 | 8,075.32 | 79,195.85 |
| Net surplus..... | 1,207.54 | 17,768.40 | 5,425.11 | 2,780.57 | 19,210.73 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 179 | 1,511 | 294 | 167 | 1,713 |
| Commercial light service..... | 54 | 256 | 78 | 50 | 283 |
| Power service..... | 3 | 53 | 8 | 4 | 56 |
| Total..... | 236 | 1,820 | 380 | 221 | 2,052 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Comber | Cookstown | Cottam | Courtright | Creemore | Dashwood | Delaware |
|----------|-----------|----------|------------|----------|----------|----------|
| P.V. | P.V. | P.V. | 386 | 631 | P.V. | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 2,505.69 | 2,977.23 | 3,091.13 | 1,878.94 | 4,496.33 | 2,762.31 | 2,586.48 |
| 2,155.34 | 1,640.74 | 1,712.41 | 861.72 | 2,400.39 | 1,331.26 | 948.87 |
| 3,128.16 | 1,494.78 | 962.86 | | 1,317.56 | 1,402.91 | |
| | | | 974.64 | | | |
| 738.00 | 855.00 | 490.90 | 645.00 | 869.76 | 505.98 | 288.00 |
| 349.69 | 330.48 | 159.20 | 236.75 | 184.02 | 237.86 | 76.80 |
| 8,876.88 | 7,298.23 | 6,416.50 | 4,597.05 | 9,268.06 | 6,240.32 | 3,900.15 |
| 6,067.42 | 3,695.28 | 3,799.74 | 2,511.65 | 6,522.16 | 4,478.89 | 2,588.09 |
| 551.71 | 236.67 | 367.36 | 116.02 | 436.88 | 79.89 | 96.61 |
| 42.88 | | 3.75 | | | | |
| 82.83 | 49.35 | 22.88 | 4.50 | 191.41 | 239.44 | |
| | | | | 315.31 | 25.84 | 63.94 |
| 209.78 | 215.19 | 7.00 | 37.35 | 69.47 | 68.20 | |
| 352.63 | 307.60 | 521.44 | 193.82 | 387.24 | 310.21 | 148.57 |
| 362.37 | 86.48 | 117.94 | 38.30 | 106.29 | 174.12 | 57.64 |
| 10.69 | | 6.30 | 5.96 | | 1.28 | |
| | 87.31 | 39.26 | | | 16.75 | |
| | 641.40 | 713.86 | | | 221.74 | |
| 448.00 | 480.00 | 615.00 | 199.00 | 383.00 | 222.00 | 239.00 |
| 8,128.31 | 5,799.18 | 6,214.53 | 3,106.60 | 8,411.76 | 5,838.36 | 3,193.85 |
| 748.57 | 1,499.05 | 201.97 | 1,490.45 | 856.30 | 401.96 | 706.30 |
| 132 | 130 | 146 | 107 | 192 | 107 | 76 |
| 46 | 36 | 28 | 23 | 53 | 27 | 16 |
| 7 | 4 | 5 | 1 | 3 | 3 | 0 |
| 185 | 170 | 179 | 131 | 248 | 137 | 92 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Delhi | Deseronto | Dorchester | Drayton | Dresden |
|--------------------------------------------------------|-----------|-----------|------------|----------|-----------|
| Population..... | 2,063 | 1,271 | P.V., | 509 | 1,532 |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 16,222.26 | 10,366.71 | 3,302.75 | 4,367.92 | 9,236.34 |
| Commercial light service..... | 14,188.62 | 4,581.89 | 1,125.74 | 2,751.46 | 8,886.63 |
| Commercial power service..... | 6,180.75 | 1,692.25 | 742.62 | 1,319.81 | 8,044.18 |
| Municipal power..... | | 1,238.62 | | | 696.41 |
| Street lighting..... | 3,178.57 | 1,686.00 | 760.00 | 960.00 | 2,233.44 |
| Merchandise..... | 841.98 | | | | 2,212.41 |
| Miscellaneous..... | 980.79 | 400.78 | 230.02 | 236.45 | 421.98 |
| Total earnings..... | 41,592.97 | 19,966.25 | 6,161.13 | 9,635.64 | 31,731.39 |
| EXPENSES | | | | | |
| Power purchased..... | 20,248.51 | 9,271.68 | 3,880.82 | 6,453.18 | 17,522.67 |
| Substation operation..... | | 90.00 | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 1,979.28 | 1,744.91 | 234.81 | 347.29 | 2,739.27 |
| Line transformer maintenance..... | 216.39 | 25.25 | | 153.69 | 136.19 |
| Meter maintenance..... | 233.30 | 191.84 | 96.33 | 127.24 | 449.61 |
| Consumers' premises expenses..... | 361.09 | | 86.34 | 86.79 | 574.87 |
| Street lighting, operation and maintenance..... | 333.06 | 292.25 | 88.64 | 403.63 | 1,011.94 |
| Promotion of business..... | 23.25 | | | | 1.00 |
| Billing and collecting..... | 1,829.01 | 900.68 | 313.42 | | 1,165.68 |
| General office, salaries and expenses..... | 1,796.27 | 1,343.37 | 89.03 | 613.46 | 1,244.20 |
| Undistributed expenses..... | 585.16 | 227.21 | | 19.85 | 110.91 |
| Truck operation and maintenance..... | 292.77 | 602.81 | | | 772.52 |
| Interest..... | 2,473.89 | | | 87.85 | |
| Sinking fund and principal payments on debentures..... | 3,690.47 | | | 614.25 | |
| Depreciation..... | 1,974.00 | 664.00 | 318.00 | 542.00 | 1,187.00 |
| Other reserves..... | 1,500.00 | | | | |
| Total operating costs and fixed charges..... | 37,536.45 | 15,354.00 | 5,107.39 | 9,449.23 | 26,915.86 |
| Net surplus..... | 4,056.52 | 4,612.25 | 1,053.74 | 186.41 | 4,815.53 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 666 | 410 | 158 | 175 | 514 |
| Commercial light service..... | 171 | 63 | 30 | 66 | 139 |
| Power service..... | 10 | 10 | 2 | 4 | 16 |
| Total..... | 847 | 483 | 190 | 245 | 669 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Drumbo | Dublin | Dundalk | Dundas | Dunnville | Durham | Dutton |
|----------|----------|-----------|-----------|-----------|-----------|-----------|
| P.V. | P.V. | 705 | 5,588 | 4,342 | 1,976 | 812 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,014.23 | 1,752.10 | 5,066.60 | 30,294.70 | 16,280.12 | 9,203.86 | 3,724.35 |
| 1,331.85 | 1,319.16 | 3,983.41 | 20,123.60 | 16,628.02 | 6,024.45 | 2,846.09 |
| 814.57 | 1,589.25 | 3,200.94 | 42,684.62 | 19,253.46 | 4,565.20 | 3,740.46 |
| 533.00 | 550.00 | 1,199.00 | 668.30 | 2,551.49 | 747.38 | 1,030.44 |
| 174.25 | 44.49 | 312.50 | 5,838.35 | 3,891.34 | 1,669.36 | 400.94 |
| 5,867.90 | 5,255.00 | 13,762.45 | 826.03 | 1,368.46 | 503.29 | 11,742.28 |
| 3,960.45 | 3,161.21 | 7,848.68 | 69,758.90 | 39,959.20 | 13,989.92 | 8,391.70 |
| 331.14 | 160.80 | 1,192.95 | 800.56 | 790.50 | 1,963.17 | 1,503.05 |
| 3.85 | 7.05 | 187.06 | 6,789.90 | 3,527.54 | 71.85 | 257.46 |
| 95.63 | 81.13 | 169.02 | 1,076.82 | 320.43 | 359.66 | 102.00 |
| 353.97 | 418.98 | 825.04 | 2,538.97 | 1,081.59 | 146.96 | 156.52 |
| 51.20 | 6.86 | 38.19 | 990.46 | 1,077.19 | 493.95 | 788.04 |
| 1.16 | | | | 10.25 | 1,056.84 | 302.14 |
| | | | | 1,597.30 | 834.31 | |
| | | | | 1,626.89 | 91.11 | |
| | | | | 237.30 | 218.28 | |
| | | | | 394.43 | | |
| | | | | 425.94 | | |
| | | | | 4,351.76 | | |
| 293.00 | 310.00 | 471.00 | 1,895.77 | 3,079.00 | 1,084.00 | 545.00 |
| 5,090.40 | 4,146.03 | 10,731.94 | 4,334.00 | 58,479.32 | 20,310.05 | 12,045.91 |
| 777.50 | 1,108.97 | 3,030.51 | 94,014.03 | 1,493.57 | 2,403.49 | 303.63 |
| 97 | 69 | 223 | 1,499 | 1,102 | 485 | 242 |
| 30 | 28 | 79 | 212 | 258 | 115 | 69 |
| 1 | 2 | 7 | 42 | 30 | 19 | 11 |
| 128 | 99 | 309 | 1,753 | 1,390 | 619 | 322 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | East York Twp. V.A. | Elmira | Elmvale | Elmwood |
|-----------------------------------------------------------|---------------------------|-----------|-----------|----------|
| Population..... | | 2,182 | P.V. | P.V. |
| EARNINGS | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 327,857.81 | 17,267.45 | 4,185.21 | 1,505.65 |
| Commercial light service..... | 33,909.86 | 10,754.91 | 2,273.38 | 991.33 |
| Commercial power service..... | 50,268.59 | 26,638.40 | 3,067.93 | 1,978.38 |
| Municipal power..... | 4,604.23 | 3,037.42 | 290.28 | |
| Street lighting..... | 26,681.31 | 2,031.00 | 690.86 | 593.00 |
| Merchandise..... | | | | |
| Miscellaneous..... | 1,577.65 | 1,874.92 | 382.16 | 91.33 |
| Total earnings..... | 444,899.45 | 61,604.10 | 10,889.82 | 5,159.69 |
| EXPENSES | | | | |
| Power purchased..... | 265,707.15 | 41,628.90 | 5,518.60 | 3,990.32 |
| Substation operation..... | 3,702.36 | | | |
| Substation maintenance..... | | 54.00 | | |
| Distribution system, operation and maintenance..... | 14,124.76 | 2,203.79 | 536.11 | 228.51 |
| Line transformer maintenance..... | 1,302.94 | | | |
| Meter maintenance..... | 5,962.48 | 121.37 | 123.80 | 17.65 |
| Consumers' premises expenses..... | 5,487.11 | 320.50 | 322.46 | |
| Street lighting, operation and main- tenance..... | 4,335.34 | 770.75 | 232.80 | 3.55 |
| Promotion of business..... | | | | |
| Billing and collecting..... | 19,566.32 | 1,405.59 | 551.55 | |
| General office, salaries and expenses.... | 17,162.87 | 1,795.50 | 345.22 | 298.58 |
| Undistributed expenses..... | 1,889.79 | 327.21 | | |
| Truck operation and maintenance..... | | 314.39 | | |
| Interest..... | 73.25 | 163.90 | | |
| Sinking fund and principal payments on debentures..... | | | | |
| Depreciation..... | 26,052.00 | 2,172.00 | 612.00 | 238.00 |
| Other reserves..... | | | | |
| Total operating costs and fixed charges..... | 365,366.37 | 51,277.90 | 8,242.54 | 4,776.61 |
| Net surplus..... | 79,533.08 | 10,326.20 | 2,647.28 | 383.08 |
| Net loss..... | | | | |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 12,928 | 583 | 205 | 81 |
| Commercial light service..... | 581 | 136 | 56 | 21 |
| Power service..... | 49 | 30 | 7 | 2 |
| Total..... | 13,558 | 749 | 268 | 104 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Elora | Embro | Erieau | Erie Beach | Essex | Etobicoke Twp. V.A. | Exeter |
|-----------|----------|-----------|------------|-----------|---------------------------|-----------|
| 1,167 | 455 | 223 | 22 | 1,920 | | 1,794 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 9,503.02 | 4,613.27 | 5,684.64 | 1,663.59 | 10,226.95 | 276,967.43 | 17,277.78 |
| 4,974.79 | 1,104.60 | 1,850.81 | 226.25 | 11,006.04 | 36,191.77 | 10,348.47 |
| 5,272.30 | 1,920.61 | 5,321.96 | | 8,423.31 | 71,674.52 | 5,275.91 |
| | | | | 1,288.07 | 8,190.85 | 767.85 |
| 1,643.68 | 647.00 | 504.00 | | 2,592.64 | 16,623.92 | 2,833.50 |
| 23.36 | | | | | | 1,068.48 |
| 662.45 | 108.17 | 32.20 | 45.00 | 1,169.13 | 2,616.53 | 1,903.87 |
| 22,079.60 | 8,393.65 | 13,393.61 | 1,934.84 | 34,706.14 | 412,265.02 | 39,475.86 |
| 15,029.94 | 5,636.64 | 6,971.48 | 1,084.47 | 20,669.12 | 283,702.26 | 26,394.65 |
| | | | | | 9.36 | |
| 1,620.60 | 208.30 | 133.40 | 63.15 | 2,414.42 | 11,385.60 | 1,544.46 |
| 25.20 | | 2.04 | | 61.00 | 2,961.71 | 205.97 |
| 138.05 | 180.66 | 5.96 | 5.06 | 191.36 | 1,530.60 | 166.90 |
| 102.16 | 211.69 | 14.35 | 5.40 | 5.00 | 9,653.44 | 247.44 |
| 405.07 | 198.96 | 110.25 | | 207.61 | 1,013.82 | 535.02 |
| | | | | 20.00 | | |
| 1,007.50 | 450.27 | 380.04 | 129.52 | 1,903.13 | 17,481.68 | 1,365.69 |
| 498.17 | 129.87 | 655.91 | 210.81 | 2,465.67 | 12,372.08 | 2,946.89 |
| 259.02 | | 2.49 | 0.39 | 502.11 | | 102.51 |
| 227.24 | | | | 242.14 | | 206.20 |
| | | | 15.84 | 591.95 | 2,340.32 | |
| | | | 271.86 | 956.16 | 10,525.66 | |
| 1,030.00 | 448.00 | 751.00 | 142.00 | 1,771.00 | 21,229.00 | 1,440.00 |
| | | | 18.90 | | | |
| 20,342.95 | 7,464.39 | 9,026.92 | 1,947.40 | 32,000.67 | 374,205.53 | 35,155.73 |
| 1,736.65 | 929.26 | 4,366.69 | | 2,705.47 | 38,059.49 | 4,320.13 |
| | | | 12.56 | | | |
| 369 | 137 | 223 | 85 | 550 | 7,572 | 576 |
| 69 | 32 | 14 | 3 | 134 | 395 | 133 |
| 6 | 3 | 4 | 0 | 21 | 60 | 17 |
| 444 | 172 | 241 | 88 | 705 | 8,027 | 726 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Fergus | Finch | Flesherton | Fonthill | Forest |
|--------------------------------------------------------|-----------|----------|------------|-----------|-----------|
| Population..... | 2,624 | 328 | 361 | 1,009 | 1,679 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 21,333.92 | 2,969.22 | 2,513.40 | 8,098.42 | 16,494.60 |
| Commercial light service..... | 9,270.99 | 2,238.00 | 2,197.20 | 2,156.75 | 9,294.96 |
| Commercial power service..... | 20,373.22 | 286.37 | 667.48 | 594.39 | 5,884.37 |
| Municipal power..... | 691.76 | | | 176.72 | 1,322.53 |
| Street lighting..... | 2,427.50 | 507.00 | 631.00 | 1,338.42 | 2,467.80 |
| Merchandise..... | | | 1.44 | | 82.83 |
| Miscellaneous..... | 804.20 | 206.09 | 190.00 | 119.46 | 843.23 |
| Total earnings..... | 54,901.59 | 6,206.68 | 6,200.52 | 12,484.16 | 36,390.32 |
| EXPENSES | | | | | |
| Power purchased..... | 42,750.14 | 4,595.36 | 3,317.71 | 6,278.73 | 22,125.72 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 3,804.53 | 338.32 | 246.86 | 337.79 | 3,959.60 |
| Line transformer maintenance..... | 863.17 | | | 8.70 | 54.75 |
| Meter maintenance..... | 526.75 | 165.18 | 122.71 | 137.36 | 368.74 |
| Consumers' premises expenses..... | 206.75 | 133.52 | | 122.92 | 417.46 |
| Street lighting, operation and maintenance..... | 743.29 | 185.47 | 70.51 | 147.00 | 563.14 |
| Promotion of business..... | 27.59 | | | | |
| Billing and collecting..... | 1,424.17 | 282.92 | | 715.68 | 1,019.20 |
| General office, salaries and expenses..... | 1,496.17 | 85.54 | 494.92 | 550.32 | 1,702.64 |
| Undistributed expenses..... | 311.65 | | | 23.95 | 189.22 |
| Truck operation and maintenance..... | 358.20 | | | | 137.64 |
| Interest..... | 89.52 | 67.13 | | 43.63 | |
| Sinking fund and principal payments on debentures..... | 873.39 | 543.16 | | 1,586.33 | |
| Depreciation..... | 2,797.00 | 416.00 | 312.00 | 861.00 | 1,434.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 56,272.32 | 6,812.60 | 4,564.71 | 10,813.41 | 31,972.11 |
| Net surplus..... | | | 1,635.81 | 1,670.75 | 4,418.21 |
| Net loss..... | 1,370.73 | 605.92 | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 790 | 125 | 136 | 312 | 550 |
| Commercial light service..... | 115 | 43 | 46 | 21 | 152 |
| Power service..... | 15 | 1 | 2 | 5 | 21 |
| Total..... | 920 | 169 | 184 | 338 | 723 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Forest Hill | Galt | Georgetown | Glencoe | Goderich | Grand Valley |
|-------------|------------|------------|-----------|-----------|--------------|
| 13,960 | 14,703 | 2,468 | 703 | 4,728 | 594 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 223,122.61 | 121,136.88 | 27,526.61 | 4,960.23 | 39,170.46 | 3,811.82 |
| 33,662.55 | 71,032.08 | 10,876.69 | 5,368.90 | 20,007.08 | 2,536.42 |
| 2,785.69 | 164,476.14 | 43,387.84 | 2,379.02 | 19,275.16 | 2,543.89 |
| 361.56 | 4,643.27 | 701.63 | 1,496.33 | 3,033.23 | ..... |
| 9,673.58 | 17,816.00 | 3,172.91 | 2,201.82 | 5,604.07 | 932.00 |
| ..... | 5,855.71 | ..... | ..... | 743.26 | ..... |
| 9,499.92 | 5,658.15 | 937.31 | 1,197.18 | 1,951.76 | 323.34 |
| 279,105.91 | 390,618.23 | 86,602.99 | 17,603.48 | 89,785.02 | 10,147.47 |
| 175,278.72 | 290,854.77 | 63,425.51 | 9,653.86 | 58,269.17 | 7,325.00 |
| ..... | 6,641.18 | ..... | ..... | 2,275.72 | ..... |
| 364.43 | 2,923.95 | ..... | ..... | ..... | ..... |
| 12,132.07 | 6,038.21 | 3,051.81 | 1,057.82 | 3,231.72 | 729.49 |
| 95.73 | 408.10 | 732.76 | 91.80 | 250.25 | ..... |
| 1,097.57 | 4,952.71 | 671.27 | 85.97 | 1,091.65 | 216.34 |
| 7,433.23 | 4,534.25 | ..... | 231.84 | 205.11 | ..... |
| 828.24 | 4,136.64 | 542.87 | 238.98 | 1,316.91 | 110.23 |
| ..... | 155.60 | ..... | ..... | ..... | ..... |
| 6,531.45 | 4,241.74 | 2,363.25 | 576.07 | 2,970.18 | ..... |
| 6,748.10 | 10,704.47 | 1,633.18 | 874.01 | 2,627.33 | 888.62 |
| 1,095.91 | 7,727.07 | 414.17 | 79.54 | 386.36 | 23.77 |
| 3,227.75 | 631.87 | 712.22 | ..... | 541.95 | ..... |
| 8,690.65 | ..... | ..... | ..... | 873.58 | ..... |
| 17,426.79 | ..... | ..... | ..... | 2,107.37 | ..... |
| 10,032.00 | 22,951.00 | 3,453.00 | 944.00 | 5,331.00 | 591.00 |
| | | | | | |
| 250,982.64 | 366,901.56 | 77,000.04 | 13,833.89 | 81,478.30 | 9,884.45 |
| 28,123.27 | 23,716.67 | 9,602.95 | 3,769.59 | 8,306.72 | 263.02 |
| | | | | | |
| 3,867 | 4,827 | 906 | 246 | 1,390 | 193 |
| 300 | 507 | 136 | 75 | 269 | 51 |
| 28 | 143 | 27 | 12 | 27 | 8 |
| 4,195 | 5,477 | 1,069 | 333 | 1,686 | 252 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Granton | Gravenhurst | Grimsby | Guelph |
|--------------------------------------------------------|----------|-------------|-----------|------------|
| Population..... | P.V. | 2,485 | 1,993 | 23,225 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 2,420.61 | 14,572.42 | 19,796.98 | 139,407.56 |
| Commercial light service..... | 1,217.91 | 12,916.89 | 14,582.16 | 66,418.86 |
| Commercial power service..... | 149.77 | 18,378.95 | 12,574.20 | 151,402.72 |
| Municipal power..... | | 863.24 | 2,498.64 | 14,473.01 |
| Street lighting..... | 370.00 | 2,302.46 | 3,625.92 | 20,690.71 |
| Merchandise..... | | 41.87 | | |
| Miscellaneous..... | 163.10 | 743.75 | 781.41 | 2,574.31 |
| Total earnings..... | 4,321.39 | 49,819.58 | 53,859.31 | 394,967.17 |
| EXPENSES | | | | |
| Power purchased..... | 2,671.95 | 35,454.33 | 27,844.78 | 309,062.85 |
| Substation operation..... | | | | |
| Substation maintenance..... | | 69.01 | | 6,759.38 |
| Distribution system, operation and maintenance..... | 225.05 | 4,462.84 | 1,107.35 | 9,963.20 |
| Line transformer maintenance..... | | 102.56 | 0.94 | 823.84 |
| Meter maintenance..... | 5.57 | 326.85 | 11.12 | 4,757.54 |
| Consumers' premises expenses..... | | ,069.76 | 449.29 | 249.92 |
| Street lighting, operation and maintenance..... | 38.13 | 601.30 | 594.83 | 5,828.96 |
| Promotion of business..... | | | | 75.31 |
| Billing and collecting..... | 504.28 | 1,260.96 | 2,246.59 | 9,605.14 |
| General office, salaries and expenses..... | 86.70 | 897.23 | 1,069.98 | 11,344.57 |
| Undistributed expenses..... | 84 | 298.18 | 36.19 | 1,093.79 |
| Truck operation and maintenance..... | | 314.44 | | |
| Interest..... | | | 550.27 | |
| Sinking fund and principal payments on debentures..... | | | | |
| Depreciation..... | 219.00 | 2,142.00 | 2,091.00 | 25,490.00 |
| Other reserves..... | | | | |
| Total operating costs and fixed charges..... | 3,751.52 | 46,999.46 | 36,002.34 | 385,054.50 |
| Net surplus..... | 569.87 | 2,820.12 | 17,856.97 | 9,912.67 |
| Net loss..... | | | | |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 87 | 663 | 682 | 5,823 |
| Commercial light service..... | 29 | 115 | 143 | 819 |
| Power service..... | 1 | 17 | 17 | 151 |
| Total..... | 117 | 795 | 842 | 6,793 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Hagersville | Hamilton | Hanover | Harriston | Harrow | Hastings | Havelock |
|-------------|---------------|-----------|-----------|-----------|-----------|-----------|
| 1,562 | 174,222 | 3,133 | 1,252 | 1,150 | 723 | 936 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 8,408.20 | 1,011,337.92 | 24,532.20 | 9,729.77 | 14,673.62 | 5,639.15 | 5,654.30 |
| 7,897.50 | 612,125.47 | 10,094.22 | 6,852.96 | 7,619.72 | 3,114.80 | 2,700.09 |
| 19,163.91 | 2,637,544.93 | 25,755.13 | 8,062.13 | 5,024.62 | 203.12 | 2,411.61 |
| | 91,084.32 | 278.08 | 398.98 | | | |
| 2,230.20 | 129,341.78 | 2,182.56 | 1,630.50 | 1,471.80 | 1,619.82 | 1,569.00 |
| | 6,161.56 | 23.05 | 120.38 | 99.69 | | |
| 1,300.30 | 123,243.98 | 2,111.99 | 358.44 | 329.74 | 180.00 | 539.62 |
| 39,000.11 | 4,610,839.96 | 64,977.23 | 27,153.16 | 29,219.19 | 10,756.89 | 12,874.62 |
| 28,952.63 | *3,110,511.20 | 38,221.56 | 19,392.60 | 20,323.69 | 6,104.77 | 8,267.10 |
| | 91,514.25 | | | | | |
| | 12,050.06 | | | | | |
| 3,150.13 | 54,278.70 | 3,234.17 | 1,381.64 | 1,244.00 | 708.77 | 1,067.36 |
| 345.31 | 9,614.84 | 171.76 | 33.06 | 0.15 | | 7.78 |
| 561.17 | 33,888.41 | 620.26 | 290.72 | 39.76 | 21.28 | |
| 3.68 | 34,166.42 | 50.24 | 95.21 | 33.07 | | |
| 513.29 | 21,649.17 | 375.96 | 345.32 | 537.41 | 234.46 | 297.37 |
| | 13,450.93 | | | 4.00 | | |
| 1,043.84 | 99,636.66 | 1,828.19 | 902.41 | 1,673.62 | 619.11 | 740.02 |
| 954.79 | 74,511.82 | 1,608.07 | 494.14 | 137.19 | 188.90 | 362.12 |
| 365.90 | 47,282.41 | 411.77 | 70.82 | 5.79 | | |
| 237.32 | | 234.63 | 135.41 | | | 158.99 |
| | 18,175.00 | | 81.95 | | 482.82 | |
| | 202,166.67 | | 519.87 | | 1,274.45 | |
| 1,083.00 | 191,383.13 | 3,529.00 | 967.00 | 1,481.00 | 843.00 | 779.00 |
| 37,211.06 | 4,014,279.67 | 50,285.61 | 24,710.15 | 25,479.68 | 10,477.56 | 11,679.74 |
| 1,789.05 | 596,560.29 | 14,691.62 | 2,443.01 | 3,739.51 | 279.33 | 1,194.88 |
| 434 | 44,725 | 884 | 410 | 375 | 262 | 304 |
| 127 | 5,773 | 146 | 107 | 93 | 57 | 54 |
| 19 | 1,134 | 27 | 15 | 8 | 3 | 3 |
| 580 | 51,632 | 1,057 | 532 | 476 | 322 | 361 |

* Includes 1946 adjustment.

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Hensall | Hespeler | Highgate | Holstein | Humberstone |
|--------------------------------------------------------|-----------|-----------|----------|----------|-------------|
| Population..... | 631 | 2,936 | 304 | P.V. | 3,287 |
| | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 5,364.38 | 20,593.02 | 2,099.21 | 1,032.06 | 12,950.85 |
| Commercial light service..... | 2,827.35 | 8,565.50 | 921.25 | 359.76 | 5,441.8 |
| Commercial power service..... | 3,602.73 | 60,279.03 | 1,569.26 | 572.67 | 6,818.01 |
| Municipal power..... | | 945.40 | | | |
| Street lighting..... | 1,008.00 | 3,650.00 | 578.04 | 75.00 | 1,568.50 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 397.35 | 2,195.82 | 155.67 | 172.50 | 990.33 |
| Total earnings..... | 13,199.81 | 96,228.77 | 5,323.43 | 2,211.99 | 27,768.97 |
| | | | | | |
| EXPENSES | | | | | |
| Power purchased..... | 9,904.84 | 71,186.78 | 3,871.75 | 890.61 | 14,867.18 |
| Substation operation..... | | 417.88 | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 660.88 | 4,150.94 | | 93.41 | 1,516.75 |
| Line transformer maintenance..... | 2.40 | 43.10 | | | 67.50 |
| Meter maintenance..... | 9.35 | 496.27 | 15.57 | | 405.15 |
| Consumers' premises expenses..... | | 1,292.68 | | | |
| Street lighting operation and maintenance..... | 175.88 | 332.33 | 44.49 | 24.00 | 475.29 |
| Promotion of business..... | | 1.25 | | | |
| Billing and collecting..... | 611.25 | 1,270.46 | 319.87 | | 1,439.02 |
| General office, salaries and expenses.. | 340.10 | 1,402.33 | 139.08 | 254.96 | 685.61 |
| Undistributed expenses..... | 27.57 | 737.11 | 10.83 | | 39.67 |
| Truck operation and maintenance..... | | 598.30 | | | 144.47 |
| Interest..... | 31.00 | 434.26 | | | |
| Sinking fund and principal payments on debentures..... | 652.05 | 1,571.80 | | | |
| Depreciation..... | 635.00 | 3,914.00 | 354.00 | 118.00 | 1,672.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 13,050.32 | 87,849.49 | 4,755.59 | 1,380.98 | 21,312.64 |
| Net surplus..... | 149.49 | 8,379.28 | 567.84 | 831.01 | 6,456.33 |
| Net loss..... | | | | | |
| | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 229 | 865 | 111 | 67 | 801 |
| Commercial light service..... | 58 | 97 | 32 | 14 | 89 |
| Power service..... | 17 | 33 | 6 | 2 | 14 |
| Total..... | 304 | 995 | 149 | 83 | 904 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Huntsville | Ingersoll | Iroquois | Jarvis | Kemptville | Kincardine |
|------------|------------|-----------|-----------|------------|------------|
| 2,750 | 5,826 | 910 | 557 | 1,200 | 2,337 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 18,928.90 | 38,254.62 | 8,584.40 | 3,086.72 | 9,992.77 | 16,965.75 |
| 15,057.59 | 20,861.25 | 3,896.81 | 2,318.35 | 7,056.91 | 9,719.00 |
| 14,429.81 | 45,340.04 | 843.24 | 3,821.12 | 4,544.98 | 13,579.90 |
| 1,472.45 | 2,265.06 | 1,049.90 | | | 1,387.55 |
| 2,774.00 | 4,863.74 | 1,044.32 | 858.00 | 1,786.00 | 4,545.00 |
| | 295.34 | | | 584.93 | 314.75 |
| 683.51 | 1,363.32 | 166.54 | 379.49 | 676.01 | 871.39 |
| 53,346.26 | 113,243.37 | 15,585.21 | 10,463.68 | 24,641.60 | 47,383.34 |
| 37,210.09 | 86,776.10 | 8,188.23 | 6,728.00 | 15,066.91 | 27,678.42 |
| 62.98 | 1,406.59 | | | | 432.26 |
| 2,116.83 | 4,780.03 | 1,446.36 | 83.43 | 2,037.69 | 1,317.09 |
| 46.76 | 403.02 | 66.00 | 13.73 | 129.60 | 58.59 |
| 489.11 | 2,186.60 | 295.57 | 68.70 | 191.93 | 174.00 |
| 29.90 | 1,395.17 | | | 662.72 | 196.14 |
| 909.53 | 1,244.71 | 295.60 | 107.19 | 293.89 | 809.15 |
| 1,409.78 | 2,911.59 | 862.44 | 755.96 | 1,207.84 | 1,388.27 |
| 1,971.08 | 4,598.55 | 934.82 | 71.11 | 650.60 | 1,105.16 |
| 562.56 | 1,479.00 | 131.14 | 7.27 | 101.65 | 264.88 |
| 268.25 | 1,528.51 | 387.26 | | 437.56 | 335.17 |
| 1,243.00 | 5,675.00 | 530.00 | 423.00 | 932.00 | 2,204.00 |
| 46,319.87 | 114,384.87 | 13,137.42 | 8,258.39 | 21,712.39 | 35,963.13 |
| 7,026.39 | | 2,447.79 | 2,205.29 | 2,929.21 | 11,420.21 |
| | 1,141.50 | | | | |
| 766 | 1,609 | 322 | 164 | 409 | 772 |
| 141 | 244 | 66 | 42 | 84 | 136 |
| 16 | 50 | 5 | 4 | 5 | 20 |
| 923 | 1,903 | 393 | 210 | 498 | 928 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Kingston | Kingsville | Kirkfield | Kitchener |
|--------------------------------------------------------|------------|------------|-----------|------------|
| Population..... | 36,697 | 2,380 | P.V. | 36,165 |
| EARNINGS | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 230,238.63 | 16,717.61 | 1,038.37 | 268,870.93 |
| Commercial light service..... | 144,840.12 | 12,038.42 | 1,312.46 | 157,999.84 |
| Commercial power service..... | 160,127.46 | 5,193.96 | | 439,105.62 |
| Municipal power..... | 16,023.63 | 1,010.65 | | 37,483.68 |
| Street lighting..... | 22,778.79 | 2,786.48 | 432.00 | 34,613.20 |
| Merchandise..... | | | | |
| Miscellaneous..... | 12,898.52 | 1,562.50 | 84.50 | 9,437.99 |
| Total earnings..... | 586,907.15 | 39,309.62 | 2,867.33 | 947,511.26 |
| EXPENSES | | | | |
| Power purchased..... | 373,479.39 | 22,577.91 | 1,005.70 | 661,187.07 |
| Substation operation..... | 7,855.80 | | | 11,228.80 |
| Substation maintenance..... | 1,899.34 | | | 7,126.12 |
| Distribution system, operation and maintenance..... | 14,028.07 | 2,867.49 | 131.83 | 24,596.13 |
| Line transformer maintenance..... | 2,856.70 | 166.28 | | 1,479.49 |
| Meter maintenance..... | 7,152.85 | 767.96 | | 10,252.35 |
| Consumers' premises expenses..... | 2,388.71 | 55.31 | | 2,915.63 |
| Street lighting, operation and maintenance..... | 6,237.65 | 1,024.39 | 84.87 | 9,423.66 |
| Promotion of business..... | 984.23 | 31.71 | | 12.03 |
| Billing and collecting..... | 10,526.69 | 2,374.10 | | 17,313.22 |
| General office, salaries and expenses..... | 21,370.86 | 1,691.77 | 242.85 | 19,435.29 |
| Undistributed expenses..... | 11,071.09 | 696.09 | | 914.22 |
| Truck operation and maintenance..... | 5,690.55 | 223.24 | | |
| Interest..... | 707.46 | 1,021.54 | | 3,423.48 |
| Sinking fund and principal payments on debentures..... | 3,233.00 | 1,440.53 | | 22,800.00 |
| Depreciation..... | 26,145.00 | 1,895.00 | 214.00 | 35,499.00 |
| Other reserves..... | 5,907.97 | | | |
| Total operating costs and fixed charges..... | 501,535.36 | 36,833.32 | 1,679.25 | 827,606.49 |
| Net surplus..... | 85,371.79 | 2,476.30 | 1,188.08 | 119,904.77 |
| Net loss..... | | | | |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 8,366 | 668 | 43 | 9,168 |
| Commercial light service..... | 1,089 | 172 | 18 | 1,136 |
| Power service..... | 194 | 25 | 0 | 293 |
| Total..... | 9,649 | 865 | 61 | 10,597 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Lakefield | Lambeth | Lanark | Lancaster | La Salle | Leamington | Lindsay |
|-----------|----------|----------|-----------|-----------|------------|------------|
| 1,372 | P.V. | 734 | 526 | 1,100 | 5,456 | 7,740 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 9,111.90 | 4,154.90 | 3,876.14 | 2,159.40 | 11,868.95 | 31,556.97 | 56,996.02 |
| 5,897.24 | 1,210.02 | 3,059.01 | 1,240.17 | 2,094.07 | 23,122.27 | 36,055.84 |
| 7,618.35 | 385.91 | 988.43 | | 805.10 | 29,652.15 | 37,184.21 |
| | 422.86 | | | | 2,211.51 | 2,801.67 |
| 1,800.00 | 763.00 | 611.00 | 512.00 | 804.00 | 7,228.84 | 6,576.41 |
| | | | | | | |
| 714.02 | 107.28 | | 46.11 | 263.84 | 1,588.30 | 2,610.34 |
| | | | | | | |
| 25,141.51 | 7,043.97 | 8,534.58 | 3,957.68 | 15,835.96 | 95,360.04 | 142,224.49 |
| | | | | | | |
| | | | | | | |
| 12,619.12 | 5,400.35 | 5,149.65 | 2,351.18 | 10,580.37 | 66,412.82 | 94,018.65 |
| | | | | | 523.86 | |
| | | | | | | |
| 1,002.43 | 187.52 | 373.20 | 158.41 | 758.01 | 1,958.24 | 2,660.57 |
| | | | | 33.14 | 490.33 | 1,014.95 |
| 125.26 | 85.25 | 82.57 | 148.02 | 54.43 | 921.27 | 1,441.99 |
| | | | | 97.38 | 1.74 | 556.67 |
| | | | | | | |
| 275.83 | 83.77 | 89.25 | 44.42 | 89.39 | 1,575.42 | 1,442.24 |
| | | | | 1.96 | 54.79 | |
| 685.61 | 348.20 | 382.19 | 269.18 | 855.20 | 3,033.47 | 5,131.35 |
| 899.62 | 83.71 | 144.85 | 130.72 | 370.79 | 4,791.20 | 7,730.96 |
| 84.34 | | | | 48.11 | 848.30 | 2,557.89 |
| 422.60 | | | | | 797.48 | 1,181.02 |
| 692.95 | | | | | | 1,204.98 |
| | | | | | | |
| 1,872.41 | | | | | | 9,011.16 |
| | | | | | | |
| 1,038.00 | 388.00 | 436.00 | 420.00 | 897.00 | 5,711.00 | 7,069.00 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 19,718.17 | 6,576.80 | 6,657.71 | 3,521.93 | 13,785.78 | 87,119.92 | 135,021.43 |
| | | | | | | |
| 5,423.34 | 467.17 | 1,876.87 | 435.75 | 2,050.18 | 8,240.12 | 7,203.06 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 407 | 151 | 193 | 120 | 302 | 1,782 | 2,338 |
| 79 | 27 | 43 | 31 | 17 | 311 | 378 |
| 12 | 5 | 2 | 0 | 3 | 39 | 73 |
| | | | | | | |
| 498 | 183 | 238 | 151 | 322 | 2,132 | 2,789 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Listowel | London | London Twp. V.A. | Long Branch 5,186 | Lucan |
|-----------------------------------------------------------|-----------|--------------|------------------------|-------------------------|-----------|
| Population..... | 3,209 | 79,562 | | | 570 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 20,548.12 | 630,502.72 | 18,533.40 | 41,055.73 | 5,576.55 |
| Commercial light service..... | 14,010.51 | 255,230.07 | 2,500.79 | 8,318.65 | 3,042.57 |
| Commercial power service..... | 19,443.49 | 488,322.91 | 1,871.23 | 18,069.67 | 1,277.65 |
| Municipal power..... | 1,087.85 | 93,768.87 | | 2,091.27 | |
| Street lighting..... | 4,794.96 | 56,031.02 | 1,299.50 | 5,286.45 | 1,408.02 |
| Merchandise..... | 82.71 | 7,271.03 | | | |
| Miscellaneous..... | 1,022.01 | 58,366.89 | 171.30 | 1,684.52 | 308.34 |
| Total earnings..... | 60,989.65 | 1,589,493.51 | 24,376.22 | 76,506.29 | 11,613.13 |
| EXPENSES | | | | | |
| Power purchased..... | 46,621.28 | 1,046,388.44 | 16,409.09 | 43,923.13 | 7,298.09 |
| Substation operation..... | | 45,971.19 | | | |
| Substation maintenance..... | 764.35 | | | | |
| Distribution system, operation and maintenance..... | 2,687.99 | 20,296.30 | 696.51 | 2,330.01 | 559.03 |
| Line transformer maintenance..... | 113.98 | 6,884.30 | | 446.37 | |
| Meter maintenance..... | 730.00 | 28,708.97 | 82.72 | 174.95 | 535.91 |
| Consumers' premises expenses..... | 261.85 | 38,744.45 | 583.13 | 62.55 | 417.96 |
| Street lighting operation and main- tenance..... | 734.04 | 12,030.77 | 144.33 | 701.19 | 228.89 |
| Promotion of business..... | | 141.51 | | | |
| Billing and collecting..... | 1,374.14 | 28,871.60 | 1,786.53 | 4,434.76 | 493.29 |
| General office, salaries and expenses.. | 1,467.29 | 55,798.71 | 503.48 | 3,133.53 | 420.44 |
| Undistributed expenses..... | 155.10 | 46,504.28 | | 14.01 | 73.30 |
| Truck operation and maintenance..... | 336.33 | 1,419.37 | | | |
| Interest..... | | 151.20 | 50.30 | 63.91 | |
| Sinking fund and principal payments on debentures..... | | 1,475.09 | 400.31 | 1,278.18 | |
| Depreciation..... | 2,892.00 | 91,289.21 | 893.00 | 3,676.00 | 609.00 |
| Other reserves..... | | 100,154.83 | | | |
| Total operating costs and fixed charges..... | 58,138.35 | 1,524,830.22 | 21,549.40 | 60,238.59 | 10,635.91 |
| Net surplus..... | 2,851.30 | 64,663.29 | 2,826.82 | 16,267.70 | 977.22 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 851 | 21,332 | 519 | 1,725 | 204 |
| Commercial light service..... | 167 | 2,453 | 19 | 133 | 55 |
| Power service..... | 29 | 453 | 5 | 15 | 5 |
| Total..... | 1,047 | 24,238 | 543 | 1,873 | 264 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Lucknow 928 | Lynden P.V. | Madoc 1,090 | Markdale 722 | Markham 1,173 | Marmora 965 | Martintown P.V. |
|----------------|----------------|----------------|-----------------|------------------|----------------|--------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 6,332.59 | 3,200.37 | 6,629.79 | 4,186.10 | 10,854.51 | 5,381.35 | 1,127.35 |
| 3,718.98 | 769.77 | 4,691.79 | 3,480.59 | 5,114.44 | 2,801.62 | 1,261.53 |
| 13,767.19 | 799.99 | 2,397.11 | 1,917.94 | 3,625.45 | 401.07 | 51.02 |
| 390.76 | | | 170.91 | 348.50 | | |
| 1,316.15 | 480.00 | 1,704.00 | 959.00 | 1,486.50 | 1,298.00 | 176.00 |
| | | | 1.05 | | 204.67 | |
| 293.80 | 147.50 | 377.80 | 437.03 | 505.25 | 206.72 | 105.15 |
| 25,819.47 | 5,397.63 | 15,800.49 | 11,152.62 | 21,934.65 | 10,293.43 | 2,721.05 |
| 17,502.91 | 3,611.29 | 9,983.89 | 6,294.92 | 12,200.52 | 4,973.48 | 1,858.71 |
| 1,296.59 | 120.26 | 988.23 | 429.05 | 1,129.40 | 1,053.21 | 117.80 |
| 230.69 | 173.52 | 506.79 | 326.61 | 27.75 | | |
| | 50.85 | | 410.07 | 172.87 | 359.84 | 74.90 |
| | | | | 3.54 | | |
| 93.60 | 74.43 | 392.91 | 386.12 | 162.42 | 338.20 | 37.50 |
| | | 695.43 | | 882.77 | 844.35 | 278.75 |
| 1,688.72 | 515.52 | 495.21 | 841.55 | 219.56 | 709.92 | 77.14 |
| | | 10.08 | 15.00 | 78.55 | 48.65 | |
| 1,128.00 | 260.00 | 647.00 | 598.00 | 1,244.00 | 458.00 | 137.00 |
| 21,940.51 | 4,805.87 | 13,719.54 | 9,301.32 | 16,121.38 | 8,785.65 | 2,581.80 |
| 3,878.96 | 591.76 | 2,080.95 | 1,851.30 | 5,813.27 | 1,507.78 | 139.25 |
| 330 | 105 | 334 | 256 | 368 | 269 | 64 |
| 95 | 15 | 95 | 74 | 67 | 41 | 24 |
| 10 | 2 | 6 | 8 | 9 | 1 | 1 |
| 435 | 122 | 435 | 338 | 444 | 311 | 89 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Maxville | Meaford | Merlin | Merritton | Midland |
|--------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Population..... | 807 | 2,650 | P.V. | 3,407 | 6,863 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 3,621.48 | 17,533.20 | 2,407.03 | 22,075.22 | 42,988.34 |
| Commercial light service..... | 2,532.65 | 11,495.53 | 2,204.23 | 5,319.11 | 21,534.86 |
| Commercial power service..... | | 12,962.53 | 1,378.40 | 199,560.58 | 74,487.22 |
| Municipal power..... | | 955.46 | | 1,854.24 | 2,592.11 |
| Street lighting..... | 1,044.00 | 3,462.63 | 780.11 | 3,606.75 | 6,376.00 |
| Merchandise..... | | | 16.36 | | 2,272.58 |
| Miscellaneous..... | 270.21 | 900.09 | 515.98 | 2,818.13 | 2,715.81 |
| Total earnings..... | 7,468.34 | 47,309.44 | 7,302.11 | 235,234.03 | 152,966.92 |
| EXPENSES | | | | | |
| Power purchased..... | 5,236.88 | 26,097.87 | 3,958.12 | 192,304.11 | 90,351.61 |
| Substation operation..... | | | | 672.25 | 2,982.76 |
| Substation maintenance..... | | | | | 977.27 |
| Distribution system, operation and maintenance..... | 633.28 | 4,679.03 | 614.06 | 4,287.37 | 3,716.73 |
| Line transformer maintenance..... | 47.40 | 123.61 | 19.50 | 352.58 | 243.27 |
| Meter maintenance..... | 296.41 | 219.85 | 5.86 | 1,025.72 | 1,837.50 |
| Consumers' premises expenses..... | 4.90 | 242.56 | 351.37 | 2.78 | 1,409.04 |
| Street lighting operation and maintenance..... | 279.43 | 519.26 | 129.54 | 1,132.90 | 1,130.12 |
| Promotion of business..... | | | 5.30 | 2.50 | |
| Billing and collecting..... | 348.51 | 1,046.57 | 691.39 | 2,841.53 | 2,029.05 |
| General office, salaries and expenses.. | 104.16 | 1,045.82 | 468.72 | 2,399.31 | 1,943.67 |
| Undistributed expenses..... | 8.28 | 440.81 | 1.53 | 357.40 | 1,203.26 |
| Truck operation and maintenance..... | | 498.29 | | 1,520.05 | 273.51 |
| Interest..... | | | | | |
| Sinking fund and principal payments on debentures..... | | | | | |
| Depreciation..... | 442.00 | 2,267.00 | 368.00 | 5,358.00 | 9,932.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 7,401.25 | 37,180.67 | 6,613.39 | 212,264.50 | 118,029.79 |
| Net surplus..... | 67.09 | 10,128.77 | 688.72 | 22,969.53 | 34,937.13 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 182 | 820 | 132 | 1,001 | 1,773 |
| Commercial light service..... | 46 | 170 | 55 | 68 | 225 |
| Power service..... | 0 | 22 | 3 | 20 | 59 |
| Total..... | 228 | 1,012 | 190 | 1,089 | 2,057 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Mildmay | Millbrook | Milton | Milverton | Mimico | Mitchell | Moorefield |
|-----------|-----------|-----------|-----------|------------|-----------|------------|
| 767 | 679 | 1,893 | 961 | 8,353 | 1,560 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 5,021.29 | 5,244.95 | 16,152.85 | 6,805.28 | 74,878.06 | 16,038.92 | 1,664.15 |
| 3,300.23 | 2,176.86 | 8,688.80 | 4,895.35 | 14,638.87 | 8,506.00 | 1,538.64 |
| 1,739.01 | 1,821.86 | 29,306.54 | 5,944.08 | 11,226.79 | 7,147.37 | 1,841.96 |
| 74.90 | | | 522.47 | 7,268.57 | 1,127.76 | |
| 672.00 | 787.08 | 2,329.35 | 1,053.00 | 8,490.47 | 2,746.63 | 350.00 |
| 12.50 | | 309.66 | | | 4,876.67 | |
| 334.50 | 147.24 | 1,591.95 | 195.00 | 3,897.09 | 1,564.00 | 76.08 |
| 11,154.43 | 10,177.99 | 58,379.15 | 19,415.18 | 120,399.85 | 42,007.35 | 5,470.83 |
| 6,105.37 | 4,368.90 | 42,741.00 | 14,717.87 | 78,475.51 | 23,235.77 | 4,558.31 |
| | | 8.35 | | | | |
| | | 1.80 | | 360.84 | 634.40 | |
| 785.37 | 629.83 | 2,934.20 | 841.33 | 9,324.15 | 1,480.19 | 104.79 |
| | 116.78 | 193.20 | | 77.80 | 79.21 | 120.26 |
| 3.20 | 198.91 | 660.91 | 3.59 | 1,211.45 | 146.95 | 15.00 |
| 60.35 | | 141.16 | 183.37 | 2,499.37 | 374.15 | |
| 95.23 | 214.50 | 390.98 | 154.81 | 1,565.86 | 260.99 | 90.48 |
| | | 6.50 | | | | |
| | 615.75 | 976.47 | 810.31 | 4,358.68 | 1,268.16 | |
| 490.19 | 645.26 | 1,091.64 | 457.35 | 3,970.31 | 1,405.47 | 245.80 |
| | | 259.62 | 21.55 | 482.75 | 1,042.09 | 5.79 |
| | | 719.16 | | 799.00 | 609.34 | |
| 281.26 | | | | | | 1.00 |
| 436.00 | 278.00 | 1,929.00 | 630.00 | 5,297.00 | 2,622.00 | 203.00 |
| 8,256.97 | 7,067.3 | 52,053.99 | 17,820.18 | 108,422.72 | 33,158.72 | 5,344.43 |
| 2,897.46 | 3,110.06 | 6,325.16 | 1,595.00 | 11,977.13 | 8,848.63 | 126.40 |
| 196 | 195 | 583 | 273 | 2,418 | 545 | 72 |
| 61 | 65 | 111 | 82 | 173 | 146 | 29 |
| 5 | 5 | 18 | 11 | 29 | 28 | 2 |
| 262 | 265 | 712 | 366 | 2,620 | 719 | 103 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Morris- burg 1,436 | Mount Brydges P.V. | Mount Forest 1,787 | Napanee 3,362 | Neustadt 418 |
|-----------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------|-----------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 12,373.12 | 3,007.92 | 11,891.11 | 30,764.92 | 2,473.85 |
| Commercial light service..... | 7,667.35 | 1,168.08 | 10,053.30 | 22,832.29 | 1,276.62 |
| Commercial power service..... | 3,901.15 | 909.06 | 6,086.39 | 13,838.97 | 673.81 |
| Municipal power..... | 744.90 | | 1,003.31 | 398.36 | |
| Street lighting..... | 2,184.00 | 807.00 | 2,275.92 | 4,077.00 | 663.00 |
| Merchandise..... | | | | 506.92 | |
| Miscellaneous..... | 347.16 | 463.71 | 470.05 | 1,859.35 | 500.50 |
| Total earnings..... | 27,217.68 | 6,355.77 | 31,780.08 | 74,277.81 | 5,587.78 |
| EXPENSES | | | | | |
| Power purchased..... | 11,429.16 | 4,070.98 | 23,644.29 | 41,289.14 | 1,408.09 |
| Substation operation..... | 2,079.74 | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 1,863.37 | 120.25 | 1,153.15 | 3,284.30 | 172.35 |
| Line transformer maintenance..... | 158.82 | | | 243.83 | |
| Meter maintenance..... | 355.50 | 20.52 | 146.25 | 1,169.26 | 128.10 |
| Consumers' premises expenses..... | | 92.38 | | 1,385.92 | |
| Street lighting operation and main- tenance..... | 331.95 | 15.54 | 456.83 | 1,072.19 | 97.56 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 1,543.31 | 245.61 | 771.52 | 2,599.93 | |
| General office, salaries and expenses.. | 449.54 | 66.45 | 249.95 | 8,692.16 | 501.65 |
| Undistributed expenses..... | 45.77 | 6.30 | 92.09 | 3,984.61 | |
| Truck operation and maintenance.... | 345.41 | | 169.64 | 1,838.31 | |
| Interest..... | 158.06 | | 32.22 | | |
| Sinking fund and principal payments on debentures..... | 998.70 | | 586.98 | | |
| Depreciation..... | 900.00 | 335.00 | 1,315.00 | 3,028.00 | 560.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 20,659.33 | 4,973.03 | 28,617.92 | 68,587.65 | 2,867.75 |
| Net surplus..... | 6,558.35 | 1,382.74 | 3,162.16 | 5,690.16 | 2,720.03 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 431 | 177 | 523 | 941 | 130 |
| Commercial light service..... | 112 | 40 | 145 | 223 | 27 |
| Power service..... | 19 | 5 | 20 | 28 | 3 |
| Total..... | 562 | 222 | 688 | 1,192 | 160 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Newbury 207 | Newcastle 675 | New Hamburg 1,456 | Newmarket 3,990 | New Toronto 7,182 | Niagara Falls 19,138 |
|----------------|------------------|-------------------------|--------------------|----------------------|-------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 1,649.54 | 6,155.47 | 11,450.99 | 37,323.08 | 52,408.89 | 129,944.68 |
| 685.86 | 1,888.64 | 5,749.07 | 23,764.54 | 22,332.73 | 85,390.55 |
| 253.07 | 3,972.63 | 8,621.82 | 18,130.00 | 173,529.95 | 105,809.29 |
| ..... | ..... | ..... | 2,481.92 | 12,072.67 | 14,771.51 |
| 720.00 | 892.00 | 2,221.00 | 5,455.29 | 8,160.48 | 25,478.54 |
| ..... | ..... | 324.46 | 15.08 | ..... | ..... |
| 198.21 | 270.00 | 694.00 | ..... | 5,484.01 | 6,316.46 |
| 3,506.68 | 13,178.74 | 29,061.34 | 87,169.91 | 273,988.73 | 367,711.03 |
| | | | | | |
| 1,975.54 | 8,037.95 | 19,746.13 | 61,511.50 | 228,874.86 | 216,586.07 |
| ..... | ..... | 411.49 | ..... | ..... | 19,354.38 |
| ..... | ..... | ..... | 379.86 | ..... | ..... |
| 96.89 | 975.76 | 1,771.42 | 4,328.99 | 7,317.50 | 18,425.01 |
| ..... | 83.34 | 245.99 | 390.67 | 272.10 | 1,552.12 |
| 0.61 | 104.30 | 334.78 | 533.52 | 1,521.95 | 8,939.56 |
| ..... | 53.70 | 148.18 | 135.07 | 125.92 | 2,123.76 |
| 169.72 | 62.01 | 392.28 | 1,566.57 | 1,515.42 | 4,639.55 |
| | | | | | |
| 170.30 | 656.38 | 939.31 | 2,076.09 | 4,699.61 | 11,300.29 |
| 58.18 | 340.54 | 1,191.44 | 2,016.63 | 9,043.19 | 20,137.27 |
| 5.65 | 142.61 | 328.93 | 402.86 | 1,783.28 | 8,827.93 |
| ..... | 466.80 | 217.96 | 472.32 | 665.43 | 3,059.32 |
| ..... | ..... | 7.36 | 186.00 | ..... | 1,570.26 |
| ..... | ..... | ..... | 1,000.00 | ..... | 10,064.92 |
| 294.00 | 602.00 | 1,200.00 | 2,419.00 | 5,502.00 | 21,489.00 |
| | | | | | |
| 2,770.89 | 11,525.39 | 26,935.27 | 77,419.08 | 261,321.26 | 348,069.44 |
| 735.79 | 1,653.35 | 2,126.07 | 9,750.83 | 12,667.47 | 19,641.59 |
| | | | | | |
| | | | | | |
| 80 | 239 | 396 | 1,110 | 2,136 | 5,222 |
| 19 | 36 | 122 | 204 | 318 | 801 |
| 1 | 7 | 12 | 34 | 40 | 125 |
| 100 | 282 | 530 | 1,348 | 2,494 | 6,148 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Niagara-on-the-Lake 1,802 | North York Twp. V.A. | Norwich 1,249 | Norwood 685 | Oil Springs 396 |
|--------------------------------------------------------|------------------------------|----------------------------|------------------|----------------|-----------------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 21,831.50 | 258,190.19 | 11,407.40 | 6,231.10 | 2,485.13 |
| Commercial light service..... | 7,981.51 | 35,494.78 | 5,753.66 | 3,711.89 | 1,679.45 |
| Commercial power service..... | 4,969.45 | 67,361.50 | 1,728.34 | 3,154.90 | 5,480.16 |
| Municipal power..... | 1,003.78 | 25,846.92 | 503.5 | | |
| Street lighting..... | 3,964.21 | 11,928.01 | 2,190.83 | 1,584.00 | 646.00 |
| Merchandise..... | 1,316.66 | | 953.70 | | 31.19 |
| Miscellaneous..... | 305.10 | 4,426.78 | 431.24 | 565.24 | 630.85 |
| Total earnings..... | 41,372.21 | 403,248.18 | 22,968.52 | 15,247.13 | 10,952.78 |
| EXPENSES | | | | | |
| Power purchased..... | 21,282.68 | 288,278.92 | 15,210.91 | 7,391.30 | 6,028.58 |
| Substation operation..... | 157.92 | | | | |
| Substation maintenance..... | | 870.29 | | | |
| Distribution system, operation and maintenance..... | 1,718.82 | 25,818.85 | 3,557.68 | 804.60 | 166.34 |
| Line transformer maintenance..... | 164.45 | 2,716.89 | 9.95 | | 10.69 |
| Meter maintenance..... | 581.55 | 5,442.32 | 202.55 | 64.27 | 73.14 |
| Consumers' premises expenses..... | 170.67 | 3,322.07 | 710.40 | | |
| Street lighting operation and maintenance..... | 871.72 | 2,305.89 | 343.83 | 236.88 | 43.90 |
| Promotion of business..... | 16.50 | | | | |
| Billing and collecting..... | 1,410.79 | 14,577.10 | 912.63 | 66.69 | 629.7 |
| General office, salaries and expenses.. | 1,147.16 | 10,623.00 | 1,150.67 | 295.00 | 2 1.53 |
| Undistributed expenses..... | 922.44 | 7,827.57 | 118.14 | | 2.31 |
| Truck operation and maintenance.... | 384.39 | 9,518.16 | 135.04 | 59.41 | |
| Interest..... | 700.70 | 6,146.81 | 22.05 | 636.21 | |
| Sinking fund and principal payments on debentures..... | 2,550.95 | 23,241.25 | | 1,796.92 | |
| Depreciation..... | 3,156.00 | 27,444.00 | 753.00 | 945.00 | 770.00 |
| Other reserves..... | 54.94 | | | | |
| Total operating costs and fixed charges..... | 35,291.68 | 428,133.12 | 23,126.85 | 12,896.28 | 7,965.96 |
| Net surplus..... | 6,080.53 | | | 2,350.85 | 2,986.82 |
| Net loss..... | | 24,884.94 | 158.33 | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 655 | 8,397 | 409 | 245 | 114 |
| Commercial light service..... | 102 | 467 | 93 | 65 | 39 |
| Power service..... | 13 | 87 | 9 | 6 | 36 |
| Total..... | 770 | 8,951 | 511 | 316 | 189 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Omernsee | Orangeville | Orono | Oshawa | Ottawa | Otterville |
|-----------|-------------|----------|------------|--------------|------------|
| 598 | 2,633 | P.V. | 26,454 | 163,690 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,960.81 | 20,913.44 | 5,518.30 | 261,825.64 | 745,655.64 | 3,338.82 |
| 987.36 | 14,922.04 | 2,38.44 | 92,656.28 | 341,364.17 | 2,210.32 |
| 4,920.36 | 6,007.15 | 345.55 | 330,824.67 | 69,827.01 | 639.83 |
| ..... | 911.14 | ..... | 10,714.39 | 24,805.63 | 70.77 |
| 986.04 | 2,619.96 | 1,050.00 | 12,749.13 | 83,061.97 | 912.00 |
| ..... | 44.14 | ..... | 10,957.59 | ..... | ..... |
| 226.07 | 694.92 | 145.00 | 14,074.87 | 20,223.86 | 186.72 |
| 11,080.64 | 46,112.79 | 9,444.29 | 733,802.57 | 1,284,938.28 | 7,358.46 |
| 7,379.30 | 31,956.97 | 4,152.22 | 470,640.84 | 652,692.72 | 4,574.13 |
| ..... | ..... | ..... | 2,173.26 | 39,606.65 | ..... |
| ..... | ..... | ..... | ..... | 1,508.27 | ..... |
| 519.56 | 1,097.40 | 438.45 | 14,725.91 | 37,448.29 | 461.02 |
| 130.45 | 54.86 | ..... | 913.71 | 1,748.33 | 87.25 |
| 273.31 | 972.31 | 101.50 | 6,121.99 | 16,202.67 | 4.00 |
| ..... | 59.05 | ..... | 22,646.29 | 4,367.25 | 15.18 |
| 209.91 | 484.97 | 86.66 | 2,361.44 | 37,344.55 | 100.83 |
| ..... | ..... | ..... | 633.69 | 2,488.90 | ..... |
| ..... | 1,615.87 | 481.16 | 13,038.73 | 61,942.27 | 352.71 |
| 539.87 | 775.03 | 661.50 | 17,580.42 | 30,998.19 | 360.14 |
| ..... | 85.94 | 58.70 | 7,490.45 | 22,213.97 | 35.97 |
| ..... | ..... | ..... | ..... | 5,497.60 | ..... |
| ..... | ..... | ..... | 1,013.87 | 10,517.60 | ..... |
| ..... | ..... | ..... | 15,000.00 | 13,243.82 | ..... |
| 700.00 | 1,953.00 | 249.00 | 19,650.00 | 129,465.00 | 453.00 |
| ..... | ..... | ..... | ..... | 54,850.41 | ..... |
| 9,752.40 | 39,055.40 | 6,229.19 | 593,990.40 | 1,122,136.49 | 6,444.23 |
| 1,328.24 | 7,057.39 | 3,215.10 | 139,812.17 | 162,801.79 | 914.23 |
| | | | | | |
| 179 | 772 | 186 | 7,158 | 16,108 | 166 |
| 28 | 196 | 43 | 754 | 1,511 | 69 |
| 6 | 29 | 2 | 119 | 208 | 9 |
| 213 | 997 | 231 | 8,031 | 17,827 | 244 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Owen Sound 14,014 | Paisley 585 | Palmerston 1,379 | Paris 4,531 | Parkhill 802 |
|--------------------------------------------------------|----------------------|----------------|---------------------|----------------|-----------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 91,416.89 | 4,821.90 | 12,761.46 | 30,404.31 | 7,251.15 |
| Commercial light service..... | 59,774.89 | 3,033.81 | 6,218.65 | 12,013.44 | 4,462.32 |
| Commercial power service..... | 101,853.97 | 1,562.63 | 8,131.19 | 24,825.91 | 2,556.64 |
| Municipal power..... | 1,607.20 | | 1,470.28 | 1,066.72 | 573.67 |
| Street lighting..... | 11,052.39 | 1,346.00 | 2,650.43 | 5,622.50 | 1,768.20 |
| Merchandise..... | 2,808.35 | | 49.12 | | |
| Miscellaneous..... | 994.41 | 202.19 | 569.96 | 1,907.20 | 267.15 |
| Total earnings..... | 269,508.10 | 10,966.53 | 31,851.09 | 75,840.08 | 16,879.13 |
| EXPENSES | | | | | |
| Power purchased..... | 187,114.50 | 6,803.05 | 21,709.35 | 50,768.92 | 11,534.51 |
| Substation operation..... | 5,841.86 | | | 743.42 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 4,421.28 | 968.22 | 1,300.90 | 2,982.72 | 1,322.20 |
| Line transformer maintenance..... | 1,339.08 | 26.25 | 272.47 | 309.21 | |
| Meter maintenance..... | 2,359.08 | 69.23 | 306.32 | 1,098.68 | 141.84 |
| Consumers' premises expenses..... | 125.34 | | 278.77 | 151.06 | 134.45 |
| Street lighting operation and maintenance..... | 2,248.67 | 187.40 | 541.05 | 2,285.51 | 121.82 |
| Promotion of business..... | 166.34 | | | | |
| Billing and collecting..... | 7,552.28 | | 1,016.64 | 2,270.91 | 550.59 |
| General office, salaries and expenses.. | 10,358.71 | 816.72 | 825.69 | 1,691.45 | 46.41 |
| Undistributed expenses..... | 4,181.75 | 65.87 | 79.87 | 815.22 | 22.01 |
| Truck operation and maintenance.... | 1,668.15 | | 158.22 | 530.13 | 87.50 |
| Interest..... | | | 85.17 | | |
| Sinking fund and principal payments on debentures..... | | | | | |
| Depreciation..... | 8,445.00 | 480.00 | 2,020.00 | 4,742.00 | 737.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 235,822.04 | 9,416.74 | 28,594.45 | 68,389.23 | 14,698.33 |
| Net surplus..... | 33,686.06 | 1,549.79 | 3,256.64 | 7,450.85 | 2,180.80 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 3,887 | 224 | 405 | 1,230 | 340 |
| Commercial light service..... | 577 | 54 | 100 | 195 | 90 |
| Power service..... | 107 | 8 | 17 | 26 | 10 |
| Total..... | 4,571 | 286 | 522 | 1,451 | 440 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Penetan- guishene 3,894 | Perth 4,265 | Peterborough 32,242 | Petrolia 2,684 | Picton 3,542 | Plattsville P.V. |
|-------------------------------|----------------|------------------------|-------------------|-----------------|---------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 16,007.92 | 33,581.54 | 222,322.07 | 16,132.90 | 28,464.02 | 3,172.98 |
| 10,052.22 | 20,072.32 | 105,263.18 | 10,716.63 | 18,896.51 | 2,165.66 |
| 22,608.41 | 17,395.04 | 271,956.05 | 28,337.13 | 7,959.98 | 2,710.51 |
| 2,113.01 | 1,087.99 | 7,182.34 | | 1,919.50 | |
| 2,372.16 | 3,246.22 | 25,924.02 | 3,068.00 | 3,869.04 | 408.00 |
| 69.79 | 5,436.98 | | | 1,022.27 | |
| 1,089.13 | 3,042.81 | 11,079.99 | 1,268.88 | 1,688.33 | 286.10 |
| 54,312.64 | 83,862.90 | 643,727.65 | 59,523.54 | 63,819.65 | 8,743.25 |
| 32,232.79 | 47,979.43 | 419,117.50 | 32,262.89 | 50,145.84 | 6,169.99 |
| | | 8,401.48 | 150.91 | | |
| 109.95 | 368.24 | 1,020.25 | 3.30 | | |
| 4,204.94 | 1,956.40 | 22,016.33 | 2,488.73 | 2,844.70 | 162.35 |
| 450.76 | 674.28 | 2,400.13 | 796.49 | 305.57 | 14.18 |
| 528.65 | 575.88 | 6,454.17 | 501.71 | 226.96 | 12.04 |
| 665.02 | 10.20 | 9,808.84 | 802.07 | 13.05 | |
| 600.48 | 650.33 | 6,678.00 | 1,339.22 | 675.76 | 22.51 |
| | | 334.41 | 680.78 | 21.60 | |
| 1,793.86 | 2,297.10 | 13,817.46 | 1,525.51 | 2,104.08 | 317.63 |
| 1,370.19 | 3,939.37 | 8,188.06 | 3,027.40 | 3,073.80 | 35.46 |
| 175.93 | 339.46 | 9,133.32 | 572.64 | 185.40 | 6.61 |
| 318.44 | 690.07 | 3,145.27 | 440.87 | 369.99 | |
| | 1,96.63 | 8,519.75 | | | |
| | 3,881.11 | 5,682.04 | | | |
| 2,795.00 | 3,497.00 | 31,404.00 | 2,975.00 | 3,210.00 | 254.00 |
| | | 300.00 | | | |
| 45,246.01 | 68,254.50 | 556,421.01 | 47,567.52 | 63,176.75 | 6,994.77 |
| 9,066.63 | 15,608.40 | 87,306.64 | 11,956.02 | 642.90 | 1,748.48 |
| 855 | 1,159 | 8,125 | 836 | 1,221 | 128 |
| 120 | 202 | 1,063 | 153 | 240 | 22 |
| 19 | 32 | 192 | 58 | 37 | 2 |
| 994 | 1,393 | 9,380 | 1,047 | 1,498 | 152 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Point Edward 1,360 | Port Colborne 7,187 | Port Credit 2,250 | Port Dalhousie 1,747 | Port Dover 2,073 |
|-----------------------------------------------------------|--------------------------|---------------------------|-------------------------|----------------------------|------------------------|
| Population..... | | | | | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 8,098.17 | 33,575.47 | 22,016.52 | 25,434.50 | 12,651.63 |
| Commercial light service..... | 3,907.11 | 23,643.66 | 8,500.51 | 160.72 | 7,703.23 |
| Commercial power service..... | 41,560.16 | 17,474.64 | 5,223.80 | 7,571.46 | 7,052.12 |
| Municipal power..... | | 6,652.41 | 1,006.77 | | |
| Street lighting..... | 1,844.16 | 9,083.82 | 3,007.15 | 1,647.00 | 2,926.46 |
| Merchandise..... | 1,712.73 | | | | |
| Miscellaneous..... | 961.29 | 3,591.49 | 655.07 | 792.25 | 466.65 |
| Total earnings..... | 58,083.62 | 94,21.49 | 40,409.82 | 41,605.93 | 30,800.09 |
| EXPENSES | | | | | |
| Power purchased..... | 47,168.45 | 51,667.45 | 28,029.04 | 26,402.18 | 20,380.87 |
| Substation operation..... | | | | | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 813.55 | 8,471.38 | 3,151.04 | 3,073.22 | 2,609.20 |
| Line transformer maintenance..... | 81.75 | 1,834.21 | 299.27 | 186.50 | 139.50 |
| Meter maintenance..... | 358.57 | 78.07 | 681.56 | 1,209.92 | 762.80 |
| Consumers' premises expenses..... | 189.5 | 760.12 | 961.54 | 320.07 | 165.03 |
| Street lighting operation and main- tenance..... | 381.15 | 4,195.56 | 869.85 | 456.95 | 277.79 |
| Promotion of business..... | 25.00 | 48.28 | | | |
| Billing and collecting..... | 1,147.17 | 2,970.48 | 1,401.96 | 1,551.64 | 956.95 |
| General office, salaries and expenses.. | 1,438.11 | 2,795.76 | 813.48 | 1,803.09 | 1,333.41 |
| Undistributed expenses..... | 28.97 | 1,217.45 | 198.25 | 317.39 | 150.30 |
| Truck operation and maintenance.... | | 2,047.45 | 710.05 | 8.4.21 | 310.62 |
| Interest..... | | 510.68 | 66.55 | | 47.44 |
| Sinking fund and principal payments on debentures..... | | 3,100.23 | 415.90 | | |
| Depreciation..... | 1,052.00 | 3,916.00 | 1,523.00 | 1,597.00 | 2,386.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 52,684.25 | 84,323.12 | 39,121.49 | 37,792.17 | 29,519.96 |
| Net surplus..... | 5,399.37 | 9,698.37 | 1,288.33 | 3,813.76 | 1,280.13 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 370 | 1,718 | 685 | 743 | 822 |
| Commercial light service..... | 56 | 246 | 90 | 72 | 142 |
| Power service..... | 11 | 26 | 14 | 12 | 19 |
| Total..... | 437 | 1,990 | 789 | 827 | 983 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Port Elgin | Port Hope | Port McNicoll | Port Perry | Port Rowan | Port Stanley |
|------------|------------|---------------|------------|------------|--------------|
| 1,559 | 4,898 | 869 | 1,288 | 616 | 896 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 15,394.22 | 40,347.47 | 4,812.10 | 12,049.34 | 3,693.42 | 19,361.51 |
| 8,569.21 | 18,482.35 | 1,045.3 | 5,353.3 | 3,264.97 | 7,043.39 |
| 3,690.06 | 45,217.19 | | 2,841.42 | | 4,261.74 |
| 796.05 | 1,649.84 | | 410.47 | | 669.90 |
| 2,481.03 | 4,246.30 | 972.50 | 1,835.00 | 910.00 | 2,631.08 |
| 37.80 | 17.09 | | | | |
| 376.56 | 1,985.34 | 4.63 | 325.00 | 241.58 | 715.00 |
| 31,344.93 | 111,945.58 | 6,834.59 | 22,814.86 | 8,109.97 | 34,682.62 |
| 19,066.22 | 76,561.94 | 3,454.64 | 13,241.56 | 5,063.20 | 24,493.51 |
| | 50.73 | | | | |
| 1,116.65 | 2,716.10 | 848.38 | 1,787.63 | 309.35 | 2,923.67 |
| 42.01 | 231.99 | | | 62.82 | 119.00 |
| 125.86 | 1,537.01 | 350.76 | 210.10 | 3.70 | 272.75 |
| 344.08 | 2,692.32 | | | | 439.29 |
| 320.28 | 1,327.44 | 291.89 | 302.63 | 110.06 | 470.85 |
| 723.31 | 2,682.69 | 762.29 | 877.4 | 379.46 | 968.03 |
| 268.92 | 4,733.52 | 329.79 | 540.83 | 76.05 | 954.93 |
| 50.88 | 1,603.92 | 114.03 | | 14.12 | 492.26 |
| 176.47 | 65.20 | | | | 286.52 |
| 729.54 | | | 95.66 | 106.00 | |
| 2,640.66 | | | 1,594.37 | 853.53 | |
| 1,520.00 | 4,135.00 | 405.00 | 844.00 | 373.00 | 1,274.00 |
| | | | | | |
| 27,124.88 | 99,037.86 | 6,556.78 | 19,494.18 | 7,351.29 | 32,694.81 |
| 4,220.05 | 12,907.72 | 277.81 | 320.68 | 758.68 | 1,987.81 |
| | | | | | |
| 562 | 1,524 | 250 | 405 | 217 | 885 |
| 1.9 | 219 | 27 | 86 | 63 | 122 |
| 7 | 45 | 0 | 13 | 0 | 11 |
| 698 | 1,788 | 277 | 504 | 280 | 1,018 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Prescott | Preston | Priceville | Princeton | Queenston |
|--------------------------------------------------------|-----------|------------|------------|-----------|-----------|
| Population..... | 3,194 | 6,701 | P.V. | P.V. | P.V. |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 27,156.63 | 45,025.42 | 731.89 | 3,110.13 | 3,247.19 |
| Commercial light service..... | 14,560.03 | 24,305.69 | 245.33 | 1,089.44 | 1,720.80 |
| Commercial power service..... | 12,103.60 | 59,570.66 | 379.91 | 3,148.46 | ..... |
| Municipal power..... | 1,451.34 | 1,057.30 | ..... | ..... | ..... |
| Street lighting..... | 4,250.20 | 6,580.02 | 34.00 | 468.00 | 566.50 |
| Merchandise..... | ..... | ..... | ..... | ..... | ..... |
| Miscellaneous..... | 364.79 | 1,773.04 | 68.93 | 238.80 | 269.83 |
| Total earnings..... | 59,886.59 | 138,312.13 | 1,460.06 | 8,054.83 | 5,804.32 |
| EXPENSES | | | | | |
| Power purchased..... | 35,327.20 | 99,846.30 | 419.98 | 6,385.73 | 3,544.60 |
| Substation operation..... | 1,688.88 | 4,463.15 | ..... | ..... | ..... |
| Substation maintenance..... | ..... | 27.00 | ..... | ..... | ..... |
| Distribution system, operation and maintenance..... | 3,617.26 | 3,077.86 | 17.84 | 102.50 | 255.08 |
| Line transformer maintenance..... | 289.66 | 369.64 | ..... | ..... | 0.75 |
| Meter maintenance..... | 518.57 | 1,853.97 | 27.35 | ..... | 4.00 |
| Consumers' premises expenses..... | 343.18 | 1,000.94 | ..... | ..... | 129.99 |
| Street lighting operation and maintenance..... | 957.33 | 867.78 | 15.00 | 139.09 | 102.84 |
| Promotion of business..... | ..... | ..... | ..... | ..... | ..... |
| Billing and collecting..... | 1,676.69 | 2,070.50 | ..... | 235.38 | 260.41 |
| General office, salaries and expenses.. | 3,050.10 | 2,993.47 | 143.10 | 61.18 | 233.66 |
| Undistributed expenses..... | 1,468.37 | 1,162.50 | ..... | 1.60 | 35.15 |
| Truck operation and maintenance..... | ..... | 1,173.03 | ..... | ..... | ..... |
| Interest..... | ..... | 313.13 | ..... | ..... | 18.86 |
| Sinking fund and principal payments on debentures..... | ..... | 1,257.44 | ..... | ..... | 99.54 |
| Depreciation..... | 2,711.00 | 7,605.00 | 202.00 | 210.00 | 328.00 |
| Other reserves..... | ..... | ..... | ..... | ..... | ..... |
| Total operating costs and fixed charges..... | 51,648.24 | 128,081.71 | 825.27 | 7,135.48 | 5,012.88 |
| Net surplus..... | 8,238.35 | 10,230.42 | 634.79 | 919.35 | 791.44 |
| Net loss..... | ..... | ..... | ..... | ..... | ..... |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 837 | 1,763 | 41 | 105 | 82 |
| Commercial light service..... | 160 | 235 | 7 | 21 | 18 |
| Power service..... | 28 | 52 | 3 | 4 | 0 |
| Total..... | 1,025 | 2,050 | 51 | 130 | 100 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Renfrew | Richmond | Richmond Hill | Ridgetown | Ripley | Riverside | Rockwood |
|------------|----------|---------------|-----------|----------|-----------|----------|
| 5,781 | 450 | 1,458 | 1,948 | 433 | 5,938 | P.V. |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 33,265.54 | 3,163.06 | 14,576.88 | 10,236.37 | 3,484.44 | 46,465.67 | 5,167.69 |
| 20,972.10 | 1,662.69 | 4,764.89 | 9,223.59 | 2,105.72 | 7,151.57 | 1,581.87 |
| 43,971.21 | | 2,007.79 | 6,732.89 | 2,449.77 | 4,863.46 | 68.08 |
| | | 427.42 | 1,269.05 | | 3,326.44 | |
| 4,900.01 | 390.00 | 1,572.00 | 3,521.83 | 1,096.00 | 4,433.60 | 819.00 |
| | | | 318.12 | | 1,962.83 | 24.41 |
| 8,564.61 | | 376.44 | 1,852.95 | | 1,461.51 | 152.09 |
| 111,673.47 | 5,215.75 | 23,725.42 | 33,154.80 | 9,135.93 | 69,665.08 | 7,813.14 |
| 28,198.14 | 3,608.38 | 16,561.98 | 19,694.99 | 5,982.96 | 42,997.48 | 5,577.82 |
| 18,881.54 | | | | | 53.82 | |
| 743.04 | | | | | | |
| 1,602.52 | 333.75 | 698.22 | 1,871.03 | 250.18 | 2,443.11 | 237.56 |
| 352.48 | | 32.82 | 78.29 | | 105.75 | |
| 647.92 | 173.19 | 105.73 | 591.96 | 10.38 | 595.59 | 114.00 |
| | | | 484.91 | | 2,517.24 | |
| 1,387.59 | 60.25 | 293.08 | 762.78 | 52.76 | 766.24 | 220.39 |
| 637.70 | | | | | 149.55 | |
| 3,381.44 | 254.70 | 1,333.01 | 1,977.91 | | 2,490.36 | |
| 6,485.25 | 46.94 | 347.29 | 1,374.35 | 526.32 | 3,737.55 | 707.82 |
| 1,195.49 | | | 354.27 | | 675.68 | |
| 816.90 | | | 837.93 | | 901.06 | |
| 4,166.09 | 86.52 | | | 213.76 | | 50.90 |
| 15,687.51 | 475.81 | | | 814.30 | | 149.70 |
| 10,363.00 | 346.00 | 933.00 | 1,329.00 | 618.00 | 3,475.00 | 431.00 |
| | | | 2,000.00 | | | |
| 94,546.61 | 5,385.54 | 20,305.13 | 31,357.42 | 8,468.66 | 60,908.43 | 7,489.19 |
| 17,126.86 | | 3,420.29 | 1,797.38 | 667.27 | 8,756.65 | 323.95 |
| | 169.79 | | | | | |
| 1,449 | 96 | 457 | 624 | 134 | 1,749 | 180 |
| 233 | 24 | 81 | 145 | 50 | 91 | 35 |
| 66 | 0 | 15 | 23 | 2 | 14 | 2 |
| 1,748 | 120 | 553 | 792 | 186 | 1,854 | 217 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Rodney | Rosseau | Russell | St. Catharines | St. Clair Beach |
|-----------------------------------------------------------|-----------|----------|----------|-------------------|--------------------|
| Population..... | 731 | 134 | P.V. | 34,559 | 235 |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 3,997.54 | 1,957.98 | 3,914.57 | 204,173.65 | 3,418.56 |
| Commercial light service..... | 2,758.60 | 893.99 | 2,068.44 | 118,136.91 | 2,124.89 |
| Commercial power service..... | 2,222.94 | 461.37 | | 378,311.13 | 265.63 |
| Municipal power..... | | | | | |
| Street lighting..... | 1,148.60 | 940.02 | 848.00 | 28,574.10 | 144.00 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 190.39 | 57.50 | 197.50 | 16,660.25 | 327.43 |
| Total earnings..... | 10,318.07 | 4,310.86 | 7,028.51 | 745,856.04 | 6,280.51 |
| EXPENSES | | | | | |
| Power purchased..... | 7,058.46 | 1,722.46 | 3,977.42 | 551,505.02 | 4,068.66 |
| Substation operation..... | | | | 9,386.01 | |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 549.44 | 72.99 | 446.79 | 25,971.14 | 618.79 |
| Line transformer maintenance..... | | | | 2,517.10 | 102.73 |
| Meter maintenance..... | 767.42 | 9.70 | 55.31 | 10,554.02 | 12.40 |
| Consumers' premises expenses..... | 10.64 | | | 2,028.80 | 45.70 |
| Street lighting operation and main- tenance..... | 177.60 | 82.67 | 113.88 | 4,319.50 | 2.25 |
| Promotion of business..... | | | | 393.78 | 110.16 |
| Billing and collecting..... | 591.12 | 337.59 | 436.90 | 19,143.34 | 364.56 |
| General office, salaries and expenses.. | 424.62 | 130.98 | 131.78 | 14,489.75 | 307.40 |
| Undistributed expenses..... | 21.86 | | | 8,915.14 | 1.23 |
| Truck operation and maintenance..... | | | | 2,645.40 | |
| Interest..... | | 422.68 | | 875.00 | |
| Sinking fund and principal payments on debentures..... | | 711.11 | | 3,500.00 | |
| Depreciation..... | 737.00 | 236.00 | 260.00 | 19,022.00 | 363.00 |
| Other reserves..... | | | | 4,000.00 | |
| Total operating costs and fixed charges..... | 10,338.16 | 3,726.18 | 5,422.08 | 679,266.00 | 5,996.88 |
| Net surplus..... | | 584.68 | 1,606.43 | 66,590.04 | 283.63 |
| Net loss..... | 20.09 | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 274 | 63 | 127 | 9,081 | 115 |
| Commercial light service..... | 68 | 10 | 31 | 1,168 | 9 |
| Power service..... | 8 | 1 | 0 | 218 | 1 |
| Total..... | 350 | 74 | 158 | 10,467 | 125 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| St. George P.V. | St. Jacobs P.V. | St. Marys 3,643 | St. Thomas 18,190 | Sarnia 20,060 | Scarborough Twp. V.A. |
|--------------------|--------------------|--------------------|----------------------|------------------|-----------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 3,742.49 | 4,570.36 | 35,360.70 | 156,661.88 | 138,654.93 | 158,574.45 |
| 2,123.66 | 2,465.06 | 14,875.41 | 68,282.00 | 74,502.88 | 33,253.98 |
| 3,776.78 | 4,859.30 | 22,817.37 | 76,678.65 | 68,387.35 | 29,777.53 |
| ..... | ..... | 2,793.41 | 5,291.41 | 4,670.85 | 14,908.36 |
| 524.92 | 430.00 | 4,950.00 | 15,219.12 | 20,601.08 | 12,862.46 |
| ..... | ..... | 136.53 | ..... | 10,594.24 | ..... |
| 276.69 | 300.00 | 1,093.35 | 5,356.83 | 28,233.26 | 5,150.86 |
| 10,444.54 | 12,624.72 | 82,026.77 | 327,489.89 | 345,644.59 | 254,527.64 |
| 7,081.00 | 9,029.07 | 59,123.08 | 213,347.53 | 201,244.24 | 159,237.83 |
| ..... | ..... | 3,149.76 | 10,812.80 | 11,537.87 | 699.10 |
| ..... | ..... | ..... | 388.83 | 1,085.37 | ..... |
| 90.70 | 156.83 | 3,366.68 | 10,112.69 | 8,679.97 | 9,054.98 |
| 1.25 | 167.45 | 202.45 | 1,208.60 | 1,504.70 | 1,913.85 |
| 61.66 | 52.90 | 789.38 | 3,935.16 | 8,812.57 | 3,408.54 |
| ..... | 4.20 | 829.73 | 17,034.55 | 10,970.00 | 1,469.00 |
| 204.68 | 61.78 | 1,222.11 | 2,447.51 | 6,504.56 | 2,557.09 |
| ..... | ..... | 43.20 | 586.50 | 620.80 | ..... |
| 496.52 | 814.83 | 1,490.09 | 9,619.12 | 12,077.12 | 7,384.55 |
| 248.07 | 105.86 | 2,739.99 | 10,968.28 | 18,681.97 | 6,767.52 |
| 10.55 | 19.54 | 1,682.63 | 6,411.23 | 8,594.59 | 2,481.34 |
| ..... | ..... | 423.54 | ..... | 4,485.77 | 2,227.31 |
| ..... | ..... | 913.15 | ..... | ..... | ..... |
| ..... | ..... | 1,496.96 | ..... | ..... | ..... |
| 287.00 | 332.00 | 4,510.00 | 13,637.52 | 27,129.00 | 12,475.00 |
| ..... | ..... | ..... | ..... | 357.77 | ..... |
| 8,481.43 | 10,744.46 | 81,982.75 | 300,510.32 | 322,286.30 | 209,676.11 |
| 1,963.11 | 1,880.26 | 44.02 | 26,979.57 | 23,358.29 | 44,851.53 |
| | | | | | |
| 177 | 140 | 1,116 | 4,803 | 5,751 | 6,671 |
| 42 | 33 | 192 | 608 | 683 | 488 |
| 3 | 9 | 38 | 87 | 94 | 55 |
| 222 | 182 | 1,346 | 5,498 | 6,528 | 7,214 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Seaforth | Shelburne | Simcoe | Smiths Falls | Smithville |
|--------------------------------------------------------|-----------|-----------|------------|--------------|------------|
| Population..... | 1,724 | 1,132 | 6,063 | 7,736 | P.V. |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 13,762.73 | 6,924.46 | 30,826.49 | 58,763.72 | 3,835.78 |
| Commercial light service..... | 10,261.12 | 4,736.39 | 35,131.28 | 22,391.52 | 3,167.05 |
| Commercial power service..... | 17,298.54 | 4,089.07 | 32,179.19 | 30,971.27 | 5,039.89 |
| Municipal power..... | 764.08 | 286.86 | 2,892.67 | 1,060.68 | |
| Street lighting..... | 2,139.00 | 882.00 | 5,855.19 | 7,866.00 | 1,266.00 |
| Merchandise..... | 315.37 | 13.45 | | | |
| Miscellaneous..... | 448.98 | 573.14 | 4,127.83 | 3,709.31 | 425.84 |
| Total earnings..... | 44,989.82 | 17,505.37 | 111,012.65 | 124,762.50 | 13,734.56 |
| EXPENSES | | | | | |
| Power purchased..... | 31,293.06 | 11,244.55 | 74,308.81 | 78,284.71 | 7,870.41 |
| Substation operation..... | | | 215.38 | 455.42 | |
| Substation maintenance..... | 79.67 | | | 1,406.23 | |
| Distribution system, operation and maintenance..... | 2,689.64 | 160.90 | 7,010.37 | 4,943.53 | 1,160.08 |
| Line transformer maintenance..... | 808.69 | 158.89 | 792.47 | 228.75 | 59.35 |
| Meter maintenance..... | 548.44 | 843.14 | 3,448.51 | 1,271.87 | 798.17 |
| Consumers' premises expenses..... | 446.94 | | 336.13 | 3,485.15 | 62.51 |
| Street lighting operation and maintenance..... | 574.28 | 79.21 | 1,965.79 | 1,885.66 | 341.52 |
| Promotion of business..... | | | 22.20 | 81.69 | |
| Billing and collecting..... | 1,250.66 | 771.89 | 3,354.83 | 5,480.12 | 951.42 |
| General office, salaries and expenses..... | 1,649.40 | 203.02 | 3,106.35 | 5,615.06 | 252.31 |
| Undistributed expenses..... | 128.94 | 3.34 | 609.64 | 154.72 | 39.98 |
| Truck operation and maintenance..... | 958.46 | | 1,386.61 | 961.62 | 200.00 |
| Interest..... | 294.95 | | 390.20 | | 186.61 |
| Sinking fund and principal payments on debentures..... | 574.60 | | 2,028.61 | | 861.36 |
| Depreciation..... | 1,563.00 | 940.00 | 6,610.00 | 5,323.00 | 460.00 |
| Other reserves..... | | | 2,700.00 | | |
| Total operating costs and fixed charges..... | 42,860.73 | 14,404.94 | 108,285.90 | 109,577.53 | 13,243.72 |
| Net surplus..... | 2,129.09 | 3,100.43 | 2,726.75 | 15,184.97 | 490.84 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 611 | 333 | 1,724 | 2,123 | 193 |
| Commercial light service..... | 121 | 79 | 353 | 301 | 55 |
| Power service..... | 22 | 15 | 52 | 41 | 7 |
| Total..... | 754 | 427 | 2,129 | 2,465 | 255 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Southampton | Springfield | Stamford Twp. V.A. | Stayner | Stirling | Stouffville |
|-------------|-------------|--------------------------|-----------|-----------|-------------|
| 1,598 | 409 | | 1,028 | 1,006 | 1,340 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 12,852.67 | 2,548.39 | 82,353.17 | 7,281.14 | 7,857.15 | 8,858.07 |
| 6,662.05 | 848.10 | 17,543.61 | 4,795.61 | 4,244.70 | 5,340.05 |
| 8,465.60 | 1,638.63 | 20,475.62 | 2,775.69 | 1,546.46 | 2,602.16 |
| 885.14 | | 2,695.50 | 119.02 | 232.08 | |
| 2,562.19 | 611.50 | 8,648.25 | 1,512.00 | 1,747.08 | 1,430.00 |
| | | 3,702.24 | | 384.05 | |
| 248.84 | 189.36 | 2,097.92 | 334.73 | 547.27 | 560.65 |
| 31,676.49 | 5,835.98 | 137,516.31 | 16,818.19 | 16,558.79 | 18,790.93 |
| | | | | | |
| 18,586.37 | 3,515.10 | 66,273.09 | 9,835.64 | 9,116.69 | 14,673.34 |
| | | 812.96 | | 260.00 | |
| | | | | | |
| 1,811.82 | 147.14 | 11,866.72 | 1,719.88 | 1,222.35 | 1,189.71 |
| 16.05 | | 532.51 | | | 239.30 |
| 211.96 | | 2,891.57 | 549.27 | 85.93 | 315.50 |
| 386.35 | | 5,297.60 | 38.62 | 7.85 | 220.61 |
| | | | | | |
| 313.75 | 76.87 | 1,253.24 | 255.91 | 362.94 | 172.34 |
| | | 19.50 | | | |
| 1,165.78 | 368.00 | 4,549.09 | 832.61 | 652.86 | 989.31 |
| 776.75 | 191.34 | 5,867.84 | 478.97 | 1,529.73 | 579.20 |
| 88.50 | 6.90 | 2,792.59 | 13.85 | 101.40 | 59.58 |
| 346.26 | | 3,191.02 | | 434.80 | |
| 212.67 | 40.17 | 1,745.28 | | | |
| | | | | | |
| 2,074.78 | 338.30 | 9,488.67 | | | |
| | | | | | |
| 1,634.00 | 507.00 | 11,829.00 | 888.00 | 1,214.00 | 873.00 |
| | | | | | |
| | | | | | |
| 27,625.04 | 5,190.82 | 128,410.68 | 14,612.75 | 14,988.55 | 19,311.89 |
| 4,051.45 | 645.16 | 9,105.63 | 2,205.44 | 1,570.24 | |
| | | | | | 520.96 |
| | | | | | |
| | | | | | |
| 622 | 133 | 2,731 | 332 | 293 | 437 |
| 97 | 23 | 173 | 116 | 91 | 92 |
| 12 | 4 | 23 | 17 | 12 | 8 |
| 731 | 160 | 2,927 | 465 | 396 | 537 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Stratford | Strathroy | Streetsville | Sunderland | Sutton |
|--------------------------------------------------------|------------|-----------|--------------|------------|-----------|
| Population..... | 17,092 | 3,001 | 707 | P.V. | 981 |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 162,788.53 | 29,049.06 | 6,894.49 | 3,588.96 | 10,353.16 |
| Commercial light service..... | 69,049.02 | 15,400.94 | 2,742.49 | 1,792.59 | 4,708.80 |
| Commercial power service..... | 58,424.97 | 16,675.99 | 3,018.31 | 510.95 | 2,060.50 |
| Municipal power..... | 10,250.07 | 1,879.18 | | | |
| Street lighting..... | 17,098.18 | 4,465.87 | 1,622.00 | 645.60 | 2,053.66 |
| Merchandise..... | 5,924.34 | | | | |
| Miscellaneous..... | 12,857.98 | 1,080.00 | 679.13 | 104.02 | 300.69 |
| Total earnings..... | 336,393.09 | 68,551.04 | 14,956.42 | 6,642.12 | 19,476.81 |
| EXPENSES | | | | | |
| Power purchased..... | 207,576.50 | 43,878.27 | 6,858.48 | 4,374.67 | 15,358.41 |
| Substation operation..... | 7,079.88 | 949.33 | 900.81 | | |
| Substation maintenance..... | 3,071.77 | | | | |
| Distribution system, operation and maintenance..... | 13,664.62 | 2,439.72 | 2,352.50 | 257.20 | 627.46 |
| Line transformer maintenance..... | 557.13 | 456.14 | 87.86 | | |
| Meter maintenance..... | 4,023.34 | 1,023.57 | 150.55 | 94.56 | 42.00 |
| Consumers' premises expenses..... | 3,279.07 | 1,974.21 | | 24.30 | 66.99 |
| Street lighting operation and maintenance..... | 3,086.16 | 1,474.68 | 255.45 | 192.15 | 348.02 |
| Promotion of business..... | 1,501.06 | 18.00 | | | |
| Billing and collecting..... | 9,214.57 | 1,200.20 | 1,113.09 | 508.26 | 759.27 |
| General office, salaries and expenses.. | 11,604.73 | 3,162.36 | 220.53 | 286.94 | 313.98 |
| Undistributed expenses..... | 4,218.18 | 997.57 | 87.20 | | 61.73 |
| Truck operation and maintenance.... | 1,247.92 | 642.51 | | | 237.52 |
| Interest..... | | 502.37 | | | |
| Sinking fund and principal payments on debentures..... | 3,550.00 | 2,828.03 | | | |
| Depreciation..... | 20,080.00 | 3,083.00 | 1,246.00 | 307.00 | 843.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 293,754.93 | 64,629.96 | 13,272.47 | 6,045.08 | 18,658.38 |
| Net surplus..... | 42,638.16 | 3,921.08 | 1,683.95 | 597.04 | 818.43 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 4,646 | 864 | 217 | 158 | 484 |
| Commercial light service..... | 636 | 203 | 52 | 42 | 86 |
| Power service..... | 133 | 34 | 6 | 2 | 5 |
| Total..... | 5,415 | 1,101 | 275 | 202 | 575 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Swansea | Tara | Tavistock | Tecumseh | Teeswater | Thamesford | Thamesville |
|------------|----------|-----------|-----------|-----------|------------|-------------|
| 7,142 | 472 | 1,082 | 2,794 | 854 | P.V. | 734 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 70,950.47 | 3,312.20 | 9,435.81 | 16,650.24 | 4,940.92 | 5,264.18 | 4,314.24 |
| 10,261.80 | 1,817.89 | 4,988.77 | 5,736.28 | 3,320.35 | 1,806.69 | 3,303.73 |
| 23,275.91 | 1,682.14 | 9,223.53 | 1,608.14 | 1,415.29 | 2,572.90 | 2,124.35 |
| 2,118.26 | | 426.56 | 374.64 | 180.00 | | 175.89 |
| 5,727.00 | 821.12 | 1,317.60 | 1,663.20 | 1,014.00 | 640.75 | 1,325.00 |
| | | 23.58 | 100.15 | | | |
| 2,667.03 | 303.61 | 426.33 | 793.99 | 295.85 | 160.25 | 622.39 |
| 115,000.47 | 7,936.96 | 25,842.18 | 26,926.64 | 11,166.41 | 10,444.77 | 11,865.60 |
| 84,615.56 | 5,798.55 | 20,556.31 | 15,199.23 | 7,434.98 | 9,386.87 | 8,241.11 |
| 3,200.03 | 474.42 | 879.23 | 2,720.75 | 572.53 | 314.10 | 909.58 |
| 372.35 | | 62.43 | 123.56 | | | 7.50 |
| 1,386.32 | 164.84 | 89.06 | 307.47 | 129.87 | 38.40 | 26.20 |
| 3,233.78 | | 204.84 | 1,453.41 | 236.07 | 118.32 | |
| 860.48 | 146.08 | 248.30 | 523.69 | 72.49 | 112.97 | 195.97 |
| | | | 45.15 | | | |
| 4,163.26 | | 1,226.51 | 1,071.30 | | 355.09 | 387.52 |
| 2,234.18 | 476.94 | 584.24 | 1,809.35 | 860.73 | 139.67 | 364.55 |
| 1,797.44 | 7.13 | 31.76 | 158.29 | | 8.39 | 8.05 |
| 468.60 | | | 259.07 | | | |
| 2,145.22 | | 25.60 | | | | |
| 4,039.25 | | 371.72 | | | | |
| 3,988.00 | 560.00 | 840.00 | 1,388.00 | 705.00 | 391.00 | 693.00 |
| 112,504.47 | 7,627.96 | 25,120.00 | 25,059.27 | 10,011.67 | 10,864.81 | 10,833.48 |
| 2,496.00 | 309.00 | 722.18 | 1,867.37 | 1,154.74 | | 1,032.12 |
| | | | | | 420.04 | |
| 2,134 | 172 | 305 | 765 | 241 | 156 | 253 |
| 99 | 38 | 98 | 65 | 63 | 46 | 73 |
| 16 | 6 | 10 | 4 | 5 | 6 | 7 |
| 2,249 | 216 | 413 | 834 | 309 | 208 | 333 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Thedford | Thornbury | Thorndale | Thornton | Thorold |
|--------------------------------------------------------|----------|-----------|-----------|----------|-----------|
| Population..... | 598 | 786 | P.V. | P.V. | 5,517 |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 3,790.10 | 6,189.46 | 2,300.91 | 1,378.95 | 22,457.53 |
| Commercial light service..... | 2,880.10 | 3,426.15 | 757.68 | 496.39 | 9,322.73 |
| Commercial power service..... | 1,497.44 | 3,012.88 | 1,880.73 | 245.94 | 58,266.73 |
| Municipal power..... | | | | | 2,338.05 |
| Street lighting..... | 1,143.33 | 1,598.40 | 384.00 | 25.00 | 3,858.65 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 371.75 | | 127.87 | 75.00 | 2,915.76 |
| Total earnings..... | 9,682.72 | 14,226.89 | 5,451.19 | 2,221.28 | 99,159.45 |
| EXPENSES | | | | | |
| Power purchased..... | 5,626.07 | 6,638.37 | 4,421.26 | 1,654.65 | 73,004.65 |
| Substation operation..... | | 3,290.11 | | | 3,525.96 |
| Substation maintenance..... | | | | | |
| Distribution system, operation and maintenance..... | 860.90 | 1,235.75 | 224.63 | 165.00 | 2,519.32 |
| Line transformer maintenance..... | | | | | 47.76 |
| Meter maintenance..... | 213.37 | 128.25 | 16.25 | 39.35 | 523.94 |
| Consumers' premises expenses..... | | | 86.43 | | 115.55 |
| Street lighting operation and maintenance..... | 86.39 | 308.08 | 32.55 | 82.77 | 808.79 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 378.08 | 795.78 | 207.65 | | 2,245.39 |
| General office, salaries and expenses.. | 212.80 | 305.99 | 55.07 | 176.36 | 1,404.76 |
| Undistributed expenses..... | 4.57 | 226.03 | | | 258.14 |
| Truck operation and maintenance..... | | | | | 212.09 |
| Interest..... | 9.91 | 273.67 | | | |
| Sinking fund and principal payments on debentures..... | | 701.21 | | | |
| Depreciation..... | 720.00 | 878.00 | 258.00 | 310.00 | 2,459.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 8,112.09 | 14,781.24 | 5,301.84 | 2,428.13 | 87,126.25 |
| Net surplus..... | 1,570.63 | | 149.35 | | 12,033.20 |
| Net loss..... | | 554.35 | | 206.85 | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 200 | 257 | 86 | 69 | 1,317 |
| Commercial light service..... | 45 | 66 | 22 | 14 | 141 |
| Power service..... | 2 | 11 | 3 | 1 | 23 |
| Total..... | 247 | 334 | 111 | 84 | 1,481 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Tilbury 1,929 | Tillsonburg 4,172 | Toronto 681,802 | Toronto Twp. V.A. | Tottenham 455 | Trafalgar Twp. V.A. |
|------------------|----------------------|--------------------|-------------------------|------------------|---------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 8,631.97 | 24,795.92 | 4,474,737.01 | 117,844.57 | 4,114.31 | 31,066.15 |
| 8,158.06 | 24,028.07 | 3,209,305.03 | 28,943.81 | 1,472.87 | 2,915.80 |
| 16,367.75 | 18,988.01 | 4,877,618.05 | 33,148.75 | 1,447.65 | 3,728.61 |
| 225.00 | 1,887.13 | 1,437,878.16 | | 274.98 | |
| 2,013.13 | 5,151.70 | 452,700.96 | 6,527.19 | 914.70 | 132.90 |
| | 1,427.24 | 37,528.87 | | 2.04 | |
| 1,358.40 | 1,010.00 | 490,489.10 | 4,127.00 | 99.25 | 1,192.64 |
| 36,754.31 | 77,288.07 | 14,980,257.18 | 190,591.32 | 8,325.80 | 39,036.10 |
| | | | | | |
| 24,652.47 | 48,453.65 | *8,201,303.18 | 119,356.54 | 5,726.97 | 22,275.28 |
| | 1,358.27 | 248,418.72 | | | |
| | | 355,419.84 | | | |
| 1,383.62 | 5,285.34 | 404,031.59 | 7,381.89 | 896.01 | 4,293.20 |
| 42.20 | 73.34 | 54,792.22 | 999.69 | | 490.49 |
| 848.58 | 617.04 | 122,026.51 | 1,496.55 | 73.00 | 705.14 |
| | 64.07 | 298,552.46 | 116.57 | | 842.71 |
| 376.20 | 838.27 | 133,555.13 | 736.85 | 166.52 | 27.92 |
| 6.62 | 9.50 | 141,455.07 | | | |
| 849.11 | 2,502.45 | 486,552.62 | 8,998.82 | 413.75 | 1,528.51 |
| 1,253.20 | 4,099.86 | 404,092.72 | 13,132.82 | 254.37 | 1,060.74 |
| 229.31 | 210.65 | 483,185.23 | 649.98 | 32.37 | 584.44 |
| 347.02 | 680.24 | | 3,138.27 | | 963.47 |
| | 354.49 | 372,767.92 | 621.37 | 55.58 | 255.93 |
| | 408.58 | 635,901.55 | 1,600.65 | 531.03 | 1,013.21 |
| 1,250.00 | 4,766.00 | 1,179,906.92 | 9,540.00 | 440.00 | 1,576.00 |
| | 3,000.00 | †1,300,000.00 | | | |
| 31,238.33 | 72,721.75 | 14,821,961.68 | 167,770.00 | 8,589.60 | 35,617.04 |
| 5,515.98 | 4,566.32 | 158,295.50 | 22,821.32 | | 3,419.06 |
| | | | | 263.80 | |
| | | | | | |
| 546 | 1,316 | 155,642 | 3,572 | 175 | 622 |
| 134 | 280 | 25,109 | 242 | 44 | 29 |
| 16 | 41 | 5,487 | 50 | 8 | 11 |
| 696 | 1,637 | 186,238 | 3,864 | 227 | 662 |

*Includes 1946 cost adjustment.
†Provision for renovation of street lighting system and other capital assets.

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Trenton | Tweed | Uxbridge | Victoria Harbour 897 | Walkerton |
|-----------------------------------------------------------|------------|-----------|-----------|----------------------------|-----------|
| Population..... | 9,849 | 1,250 | 1,426 | 897 | 2,566 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 43,490.60 | 8,883.35 | 12,448.85 | 4,155.54 | 23,023.47 |
| Commercial light service..... | 23,351.94 | 5,850.98 | 5,888.43 | 1,128.41 | 15,650.86 |
| Commercial power service..... | 84,143.49 | 5,178.24 | 3,331.44 | | 12,311.00 |
| Municipal power..... | 5,172.34 | 352.03 | 496.33 | 109.02 | 493.78 |
| Street lighting..... | 9,019.48 | 2,109.24 | 1,825.59 | 663.00 | 2,966.20 |
| Merchandise..... | | 124.04 | | | 112.88 |
| Miscellaneous..... | 4,352.49 | 349.75 | 319.32 | 167.68 | 585.93 |
| Total earnings..... | 169,530.34 | 22,847.63 | 24,309.96 | 6,223.65 | 55,144.12 |
| EXPENSES | | | | | |
| Power purchased..... | 113,182.42 | 13,839.13 | 16,178.58 | 2,791.82 | 30,958.10 |
| Substation operation..... | | | | | |
| Substation maintenance..... | 70.72 | | | | |
| Distribution system, operation and maintenance..... | 2,792.81 | 1,413.38 | 552.97 | 300.00 | 2,216.59 |
| Line transformer maintenance..... | 171.44 | 19.40 | | | 92.90 |
| Meter maintenance..... | 4,131.86 | 124.65 | 292.46 | 177.93 | 626.97 |
| Consumers' premises expenses..... | 1,213.96 | | 1,036.20 | | 38.89 |
| Street lighting operation and main- tenance..... | 1,007.63 | 584.05 | 384.23 | 230.67 | 371.11 |
| Promotion of business..... | | | | | |
| Billing and collecting..... | 5,251.76 | 838.75 | 888.38 | 763.83 | 1,752.97 |
| General office, salaries and expenses.. | 6,268.74 | 407.04 | 707.17 | 396.88 | 1,679.23 |
| Undistributed expenses..... | 1,813.80 | 11.44 | 17.19 | | 187.78 |
| Truck operation and maintenance... | 1,348.57 | | | | 488.76 |
| Inte est..... | | | | | 1,282.95 |
| Sinking fund and principal payments on debentures..... | | | | | 3,772.33 |
| Depreciation..... | 8,297.00 | 809.00 | 663.00 | 435.00 | 2,338.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 145,550.71 | 18,046.84 | 20,720.18 | 5,096.13 | 45,806.58 |
| Net surplus..... | 23,979.63 | 4,800.79 | 3,589.78 | 1,127.52 | 9,337.54 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 1,938 | 340 | 460 | 290 | 723 |
| Commercial light service..... | 291 | 84 | 100 | 32 | 138 |
| Power service..... | 53 | 16 | 14 | 1 | 19 |
| Total..... | 2,282 | 440 | 574 | 323 | 880 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| | | | | | | |
|-------------|------------|-----------|-----------|-----------|------------|-----------|
| Wallaceburg | Wardsville | Warkworth | Waterdown | Waterford | Waterloo | Watford |
| 5,088 | 226 | P.V. | 966 | 1,375 | 9,452 | 938 |
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 32,895.05 | 1,728.69 | 2,954.48 | 6,836.24 | 8,085.48 | 74,210.66 | 9,377.22 |
| 20,150.90 | 1,402.21 | 1,721.81 | 1,739.59 | 3,980.38 | 29,465.12 | 4,795.52 |
| 133,649.98 | 41.81 | 96.29 | 1,623.72 | 4,910.98 | 75,426.53 | 4,663.93 |
| 4,377.99 | | | 98.14 | 321.91 | 3,318.43 | 359.18 |
| 5,335.62 | 666.00 | 631.90 | 1,142.00 | 1,518.00 | 8,077.57 | 1,633.44 |
| 6,594.04 | | | | | | |
| 3,435.85 | 154.08 | 203.50 | 301.68 | 420.91 | 3,801.79 | 942.64 |
| 206,439.43 | 3,992.79 | 5,607.98 | 11,741.37 | 19,237.66 | 194,300.10 | 21,771.93 |
| 137,410.69 | 2,456.15 | 3,132.51 | 8,493.53 | 13,204.19 | 159,378.41 | 14,312.40 |
| 447.60 | | | | | 1,653.64 | |
| | | | | | 648.73 | |
| 6,076.62 | 483.49 | 253.92 | 977.61 | 1,639.58 | 6,239.17 | 1,703.00 |
| 397.65 | 18.54 | | | 76.30 | 1,078.99 | 8.80 |
| 1,342.77 | 36.57 | | 175.60 | 256.39 | 1,798.42 | 301.48 |
| 3.91 | 5.37 | | | | 916.97 | 908.82 |
| 1,098.36 | 82.61 | 20.25 | 161.10 | 191.67 | 1,067.96 | 202.83 |
| 246.30 | | | | | | |
| 2,636.33 | 136.39 | 215.56 | 674.78 | 597.42 | 4,179.59 | 794.71 |
| 5,224.36 | 80.53 | 51.85 | 181.22 | 315.78 | 3,395.20 | 924.69 |
| 1,500.79 | 5.73 | 1.13 | 42.98 | 108.38 | 444.97 | 123.29 |
| 1,497.03 | | | | 314.15 | 432.07 | 405.14 |
| | | 326.64 | 4.05 | | | |
| | | 473.00 | | | | |
| 7,930.00 | 229.00 | 225.00 | 662.00 | 854.00 | 9,364.00 | 809.00 |
| 165,812.41 | 3,581.38 | 4,699.86 | 11,372.87 | 17,557.86 | 190,598.12 | 20,494.16 |
| 40,627.02 | 411.41 | 908.12 | 368.50 | 1,679.80 | 3,701.98 | 1,277.77 |
| 1,673 | 71 | 152 | 273 | 436 | 2,415 | 317 |
| 281 | 20 | 37 | 34 | 77 | 281 | 81 |
| 58 | 1 | 1 | 11 | 15 | 80 | 8 |
| 2,012 | 92 | 196 | 318 | 528 | 2,776 | 406 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

| Municipality..... | Waubau- shene P.V. | Welland | Wellesley | Wellington 917 | West Lorne 841 |
|-----------------------------------------------------------|--------------------------|------------|-----------|-------------------|----------------------|
| Population..... | | 15,780 | P.V. | | |
| EARNINGS | | | | | |
| | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 4,268.66 | 56,984.90 | 3,042.94 | 7,728.71 | 4,615.33 |
| Commercial light service..... | 954.63 | 44,997.16 | 1,824.11 | 3,452.10 | 4,002.12 |
| Commercial power service..... | 344.66 | 180,888.19 | 1,439.15 | 3,984.61 | 8,272.13 |
| Municipal power..... | 165.69 | 3,040.08 | | | |
| Street lighting..... | 531.20 | 16,995.45 | 724.12 | 1,110.98 | 1,069.98 |
| Merchandise..... | | | | | |
| Miscellaneous..... | 20.18 | 11,673.72 | 236.13 | 360.00 | 380.31 |
| Total earnings..... | 6,285.02 | 314,579.50 | 7,266.45 | 16,636.40 | 18,339.87 |
| EXPENSES | | | | | |
| Power purchased..... | 4,530.64 | 234,104.45 | 4,879.22 | 9,256.03 | 13,287.90 |
| Substation operation..... | | 9,266.18 | | | |
| Substation maintenance..... | | 662.35 | | | |
| Distribution system, operation and maintenance..... | 174.46 | 6,599.54 | 234.76 | 978.01 | 539.44 |
| Line transformer maintenance..... | | 1,424.59 | 9.37 | 84.50 | |
| Meter maintenance..... | 84.75 | 7,700.05 | 86.90 | 296.75 | 850.64 |
| Consumers' premises expenses..... | 82.95 | 4,298.57 | 169.15 | 55.56 | 547.26 |
| Street lighting operation and main- tenance..... | 111.06 | 3,257.02 | 143.14 | 79.59 | 333.75 |
| Promotion of business..... | | 5.00 | | | |
| Billing and collecting..... | 333.62 | 6,978.00 | 439.43 | 582.60 | 872.96 |
| General office, salaries and expenses.. | 175.20 | 9,770.50 | 179.17 | 352.84 | 186.73 |
| Undistributed expenses..... | | 1,037.97 | 11.78 | 300.31 | 3.16 |
| Truck operation and maintenance..... | | 1,244.73 | | 382.22 | |
| Interest..... | 12.43 | 71.67 | | 136.24 | |
| Sinking fund and principal payments on debentures..... | | | | 633.95 | |
| Depreciation..... | 538.00 | 13,092.00 | 320.00 | 728.00 | 627.00 |
| Other reserves..... | | | | | |
| Total operating costs and fixed charges..... | 6,043.11 | 299,512.62 | 6,472.92 | 13,866.60 | 17,248.84 |
| Net surplus..... | 241.91 | 15,066.88 | 793.53 | 2,769.80 | 1,091.03 |
| Net loss..... | | | | | |
| NUMBER OF CONSUMERS | | | | | |
| Domestic service..... | 245 | 3,318 | 142 | 347 | 248 |
| Commercial light service..... | 23 | 488 | 48 | 75 | 62 |
| Power service..... | 3 | 90 | 7 | 12 | 9 |
| Total..... | 271 | 3,896 | 197 | 434 | 319 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Weston 6,333 | Westport 639 | Wheatley 711 | Whitby 4,595 | Warton 1,682 | Williams- burg P.V. | Winchester 959 |
|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------------|-------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 63,784.75 | 4,626.83 | 4,173.74 | 36,717.12 | 9,284.48 | 2,030.97 | 8,195.17 |
| 17,322.26 | 3,572.46 | 4,945.01 | 16,320.83 | 8,412.99 | 2,362.50 | 5,433.51 |
| 70,312.57 | | 3,341.39 | 20,424.91 | 5,892.44 | 295.96 | 2,175.41 |
| 526.30 | | 547.70 | 2,094.10 | 2,216.57 | | |
| 7,864.97 | 1,120.08 | 2,304.98 | 5,101.56 | 2,189.42 | 326.40 | 944.00 |
| | | | 106.16 | | | |
| 967.79 | | 252.13 | 1,971.40 | 620.80 | 697.50 | 465.03 |
| 160,778.64 | 9,319.37 | 15,564.95 | 82,736.08 | 28,616.70 | 5,713.33 | 17,213.12 |
| 120,798.25 | 5,526.42 | 10,227.18 | 43,636.41 | 16,847.40 | 3,431.25 | 13,311.70 |
| 759.02 | | | 788.61 | | | |
| 8,991.83 | 545.84 | 1,514.26 | 3,683.55 | 2,155.19 | 102.60 | 350.58 |
| 738.84 | | 31.85 | 476.92 | 53.15 | | 9.09 |
| 1,677.88 | 73.86 | 164.46 | 775.76 | 367.96 | 159.51 | 170.18 |
| 640.11 | | 232.09 | 704.46 | | 172.14 | 154.54 |
| 1,357.23 | 120.38 | 451.57 | 1,560.43 | 602.30 | 61.22 | 64.46 |
| 2,536.85 | 762.80 | 581.98 | 2,586.51 | 791.08 | 471.27 | 854.64 |
| 3,309.47 | 507.88 | 427.34 | 3,398.09 | 657.05 | 131.42 | 318.42 |
| 693.64 | 14.55 | 52.58 | 1,201.27 | 115.40 | | |
| 580.53 | | | 256.83 | 300.40 | | |
| | 132.21 | | 194.77 | 869.94 | | |
| | 910.32 | | 605.01 | 2,132.80 | | |
| 8,216.00 | 375.00 | 1,176.00 | 4,616.00 | 1,262.00 | 211.00 | 592.00 |
| 150,299.65 | 8,969.26 | 14,859.31 | 64,484.62 | 26,154.67 | 4,740.41 | 15,825.61 |
| 10,478.99 | 350.11 | 705.64 | 18,251.46 | 2,462.03 | 972.92 | 1,387.51 |
| 1,763 | 163 | 237 | 1,093 | 483 | 92 | 312 |
| 197 | 52 | 76 | 173 | 115 | 34 | 90 |
| 34 | 0 | 9 | 34 | 19 | 1 | 3 |
| 1,994 | 215 | 322 | 1,300 | 617 | 127 | 405 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Concluded

| Municipality..... | Windermere | Windsor | Wingham | Woodbridge |
|--------------------------------------------------------|------------|--------------|-----------|------------|
| Population..... | 118 | 117,539 | 2,155 | 1,128 |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 2,432.27 | 772,984.30 | 17,997.21 | 9,461.48 |
| Commercial light service..... | 675.43 | 443,865.68 | 12,963.64 | 2,583.73 |
| Commercial power service..... | 1,019.30 | 715,402.20 | 22,495.38 | 10,404.56 |
| Municipal power..... | | 19,615.36 | 1,129.13 | 2,283.05 |
| Street lighting..... | 325.00 | 114,871.50 | 3,606.44 | 1,039.75 |
| Merchandise..... | | 15,609.23 | 4,960.61 | |
| Miscellaneous..... | 129.83 | 51,413.67 | | 434.98 |
| Total earnings..... | 4,581.83 | 2,133,761.94 | 63,152.41 | 26,207.55 |
| EXPENSES | | | | |
| Power purchased..... | 2,486.69 | 1,260,249.05 | 31,852.07 | 23,181.66 |
| Substation operation..... | | 51,644.37 | 2,821.56 | |
| Substation maintenance..... | | 25,853.80 | | |
| Distribution system, operation and maintenance..... | 172.25 | 68,516.46 | 3,092.91 | 254.18 |
| Line transformer maintenance..... | | 15,900.69 | 71.24 | 39.09 |
| Meter maintenance..... | 58.03 | 39,448.62 | 637.96 | 373.09 |
| Consumers' premises expenses..... | | 65,903.10 | 629.04 | 449.89 |
| Street lighting, operation and maintenance..... | 54.84 | 45,378.95 | 600.96 | 235.00 |
| Promotion of business..... | | 7,212.66 | | |
| Billing and collecting..... | | 71,884.21 | 1,083.85 | 897.11 |
| General office, salaries and expenses..... | 270.17 | 54,987.05 | 1,266.14 | 218.53 |
| Undistributed expenses..... | 5.94 | 16,708.43 | 634.46 | 4.90 |
| Truck operation and maintenance..... | | 14,968.28 | 927.18 | |
| Interest..... | 271.09 | 16,335.42 | 968.41 | 135.61 |
| Sinking fund and principal payments on debentures..... | 758.60 | 47,825.28 | 2,099.25 | |
| Depreciation..... | 303.00 | 171,308.00 | 2,703.00 | 778.00 |
| Other reserves..... | | | | |
| Total operating costs and fixed charges..... | 4,380.61 | 1,974,124.37 | 49,388.03 | 26,567.06 |
| Net surplus..... | 201.22 | 159,637.57 | 13,764.38 | |
| Net loss..... | | | | 359.51 |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 72 | 27,414 | 609 | 333 |
| Commercial light service..... | 12 | 3,440 | 150 | 56 |
| Power service..... | 2 | 527 | 24 | 10 |
| Total..... | 86 | 31,381 | 783 | 399 |

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1946

| Woodstock 12,916 | Woodville 388 | Wyoming 576 | York Twp. V.A. | Zurich P.V. | SOUTHERN ONTARIO SYSTEM SUMMARY |
|---------------------|------------------|----------------|-------------------|----------------|------------------------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 97,683.67 | 2,669.99 | 3,034.03 | 532,565.97 | 4,424.47 | 15,966,254.64 |
| 62,087.72 | 1,130.17 | 1,962.36 | 85,994.08 | 3,721.48 | 8,532,634.62 |
| 95,549.06 | 699.00 | 1,492.49 | 156,102.61 | | 15,267,037.38 |
| 5,054.50 | | | 7,032.56 | | 2,072,797.54 |
| 9,134.04 | 746.00 | 688.50 | 45,297.78 | 693.00 | 1,880,495.82 |
| | | | | | 176,638.11 |
| 3,869.48 | 179.13 | 107.68 | 13,517.17 | 285.32 | 1,158,853.35 |
| 273,378.47 | 5,424.29 | 7,285.06 | 840,510.17 | 9,124.27 | 45,054,711.46 |
| | | | | | |
| 208,810.05 | 3,884.55 | 4,450.97 | 533,217.15 | 6,085.22 | 27,833,857.47 |
| 4,345.08 | | | 4,233.00 | | 699,141.02 |
| | | | 1,595.03 | | 440,175.83 |
| | | | | | |
| 6,169.92 | 336.49 | 239.64 | 16,535.80 | 232.49 | 1,338,694.79 |
| 250.10 | | | 7,955.13 | | 164,477.98 |
| 6,946.74 | 20.00 | 33.36 | 16,940.68 | 190.28 | 495,590.99 |
| 5,330.11 | | | 27,930.81 | | 687,343.32 |
| | | | | | |
| 3,304.50 | 160.87 | 91.63 | 8,840.07 | 162.59 | 466,146.04 |
| 2,075.89 | | | | | 181,333.08 |
| 6,337.13 | 495.81 | 260.27 | 44,549.36 | 372.96 | 1,341,081.26 |
| 5,120.29 | 89.41 | 137.36 | 33,415.22 | 205.04 | 1,256,238.83 |
| 2,667.74 | | 5.10 | 2,961.41 | 9.72 | 803,094.80 |
| 2,243.78 | | | | | 138,601.92 |
| | | | 3,383.86 | 39.60 | 508,008.40 |
| | | | | | |
| | | | 18,165.06 | 350.39 | 1,203,543.95 |
| | | | | | |
| 11,904.00 | 208.00 | 393.00 | 44,861.00 | 378.00 | 2,718,813.68 |
| | | 32.63 | | | 1,486,877.45 |
| | | | | | |
| 265,505.33 | 5,195.13 | 5,643.96 | 764,583.58 | 8,026.29 | 41,763,020.81 |
| 7,873.14 | 229.16 | 1,641.10 | 75,926.59 | 1,097.98 | 3,291,690.65 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 3,530 | 124 | 179 | 22,975 | 164 | 577,808 |
| 520 | 24 | 46 | 1,117 | 42 | 81,231 |
| 108 | 2 | 3 | 225 | 0 | 14,640 |
| 4,158 | 150 | 228 | 24,317 | 206 | 673,679 |

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY SYSTEM

| Municipality..... | Fort William | Nipigon Twp. V.A. | Port Arthur | THUNDER BAY SYSTEM SUMMARY |
|-----------------------------------------------------------|--------------|-------------------------|-------------|-------------------------------------|
| Population..... | 30,590 | | 25,373 | |
| EARNINGS | \$ c. | \$ c. | \$ c. | \$ c. |
| Domestic service..... | 287,076.66 | 7,326.11 | 176,617.30 | 471,020.07 |
| Commercial light service..... | 108,262.29 | 5,590.55 | 103,913.64 | 217,766.48 |
| Commercial power service..... | 74,037.86 | 539.82 | 260,755.96 | 335,333.64 |
| Municipal power..... | 34,034.73 | 536.41 | 34,638.17 | 69,209.31 |
| Street lighting..... | 21,077.93 | 797.00 | 27,816.12 | 49,691.05 |
| Merchandise..... | | | | |
| Miscellaneous..... | 7,358.79 | 340.80 | 27,968.74 | 35,668.33 |
| Total earnings..... | 531,848.26 | 15,130.69 | 631,709.93 | 1,178,688.88 |
| EXPENSES | | | | |
| Power purchased..... | 326,694.62 | 7,596.36 | 415,952.86 | 750,243.84 |
| Substation operation..... | 9,272.51 | | 32,575.10 | 41,847.61 |
| Substation maintenance..... | 1,889.99 | | 1,490.87 | 3,380.86 |
| Distribution system, operation and maintenance..... | 13,199.16 | 951.51 | 19,100.11 | 33,250.78 |
| Line transformer maintenance..... | 1,005.80 | | 1,275.15 | 2,280.95 |
| Meter maintenance..... | 6,810.73 | 206.06 | 9,334.52 | 16,351.31 |
| Consumers' premises expenses..... | 8,119.13 | | | 8,119.13 |
| Street lighting, operation and main- tenance..... | 8,595.41 | 242.00 | 5,401.56 | 14,238.97 |
| Promotion of business..... | 251.42 | | 1,850.78 | 2,102.20 |
| Billing and collecting..... | 21,791.46 | | 19,548.41 | 41,339.87 |
| General office, salaries and expenses..... | 15,671.43 | 1,106.47 | 16,010.84 | 32,788.74 |
| Undistributed expenses..... | | 50.03 | 16,359.98 | 16,410.01 |
| Truck operation and maintenance..... | | | 1,703.27 | 1,703.27 |
| Interest..... | 13,200.65 | | | 13,200.65 |
| Sinking fund and principal payments on debentures..... | 5,254.84 | | | 5,254.84 |
| Depreciation..... | 23,890.00 | 909.00 | 33,187.00 | 57,986.00 |
| Other reserves..... | 1,000.00 | | 3,000.00 | 4,000.00 |
| Total operating costs and fixed charges..... | 456,647.15 | 11,061.43 | 576,790.45 | 1,044,499.03 |
| Net surplus..... | 75,201.11 | 4,069.26 | 54,919.48 | 134,189.85 |
| Net loss..... | | | | |
| NUMBER OF CONSUMERS | | | | |
| Domestic service..... | 7,855 | 294 | 6,640 | 14,789 |
| Commercial light service..... | 1,170 | 62 | 946 | 2,178 |
| Power service..... | 124 | 5 | 134 | 263 |
| Total..... | 9,149 | 361 | 7,720 | 17,230 |

“B”—Concluded

Hydro Municipalities for Year Ended December 31, 1946

NORTHERN ONTARIO DISTRICTS

| Capreol 1,680 | North Bay 15,968 | Sioux Lookout 1,897 | Sudbury 36,299 | NORTHERN ONTARIO DISTRICTS SUMMARY | ALL SYSTEMS GRAND SUMMARY |
|------------------|---------------------|------------------------|-------------------|---------------------------------------------|------------------------------------|
| \$ c. | \$ c. | \$ c. | \$ c. | \$ c. | \$ c. |
| 11,360.30 | 111,503.26 | 21,309.35 | 270,861.21 | 415,034.12 | 16,852,308.83 |
| 4,005.11 | 64,879.24 | 14,410.79 | 145,340.92 | 228,636.06 | 8,979,037.16 |
| 4,252.29 | 54,079.36 | 2,029.37 | 44,422.69 | 104,783.71 | 15,707,154.73 |
| 640.97 | 6,503.62 | ..... | 11,928.37 | 19,072.96 | 2,161,079.81 |
| 1,385.96 | 11,723.64 | 1,941.00 | 29,787.21 | 44,837.81 | 1,975,024.68 |
| ..... | 2,614.54 | ..... | ..... | 2,614.54 | 179,252.65 |
| 241.31 | 6,657.32 | 391.99 | 8,628.46 | 15,919.08 | 1,210,440.76 |
| 21,885.94 | 257,960.98 | 40,082.50 | 510,968.86 | 830,898.28 | 47,064,298.62 |
| 14,323.03 | 174,362.76 | 26,804.80 | 332,405.98 | 547,896.57 | 29,131,997.88 |
| ..... | 3,228.88 | ..... | 9,714.14 | 12,943.02 | 753,931.65 |
| ..... | ..... | ..... | 720.06 | 720.06 | 444,276.75 |
| 2,011.05 | 8,359.44 | 1,660.96 | 20,464.06 | 32,495.51 | 1,404,441.08 |
| ..... | 951.99 | 13.76 | 704.93 | 1,670.68 | 168,429.61 |
| 537.88 | 4,221.54 | 255.46 | 11,853.29 | 16,868.17 | 528,810.47 |
| ..... | 473.91 | ..... | 3,837.01 | 4,310.92 | 699,773.37 |
| 798.04 | 2,718.16 | 378.79 | 9,163.23 | 13,058.22 | 493,443.23 |
| ..... | ..... | ..... | 171.51 | 171.51 | 183,606.79 |
| 1,551.02 | 10,874.06 | 3,217.57 | 30,182.67 | 45,825.32 | 1,428,246.45 |
| 1,261.73 | 9,335.05 | 1,580.76 | 18,767.19 | 30,944.73 | 1,319,972.30 |
| 161.75 | 4,046.24 | 171.00 | 7,292.26 | 11,671.25 | 831,176.06 |
| 364.86 | 2,706.49 | 406.12 | 3,675.76 | 7,153.23 | 147,458.42 |
| ..... | 1,175.72 | ..... | 3,203.39 | 4,379.11 | 525,588.16 |
| ..... | 18,500.00 | ..... | 11,809.50 | 30,309.50 | 1,239,108.29 |
| 1,067.00 | 18,772.00 | 538.00 | 27,695.00 | 48,072.00 | 2,824,871.68 |
| ..... | ..... | ..... | 12,378.25 | 12,378.25 | 1,503,255.70 |
| 22,076.36 | 259,726.24 | 35,027.22 | 504,038.23 | 820,868.05 | 43,628,387.89 |
| ..... | ..... | 5,055.28 | 6,930.63 | 10,030.23 | 3,435,910.73 |
| 190.42 | 1,765.26 | ..... | ..... | ..... | ..... |
| 453 | 3,594 | 586 | 8,816 | 13,449 | 606,046 |
| 60 | 681 | 106 | 1,144 | 1,991 | 85,400 |
| 2 | 91 | 3 | 116 | 212 | 15,115 |
| 515 | 4,366 | 695 | 10,076 | 15,652 | 706,561 |

STATEMENT "C"**Street Lighting Installations in Municipalities Served by
The Hydro-Electric Power Commission of Ontario**

NOTE: These statistics were last published in the 1941 Annual Report. In subsequent years due to restrictions and economies effected by municipal co-operative action, the general standard of street lighting was lowered and publication of the statistics available would have served no useful purpose.

STATEMENT "D"

(pages 320 to 337)

**Statistics relating to the Supply of Electrical Energy to Consumers
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1946**

STATEMENT "E"

(pages 338 to 355)

**Cost of Power to Municipalities and Rates to Consumers for
Domestic Service—Commercial Light Service—Power Service
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1946**

STATEMENT "D"

**Statistics Relating to the Supply of Electrical Energy to
Consumers in Urban Municipalities Served by
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the systems of municipalities.

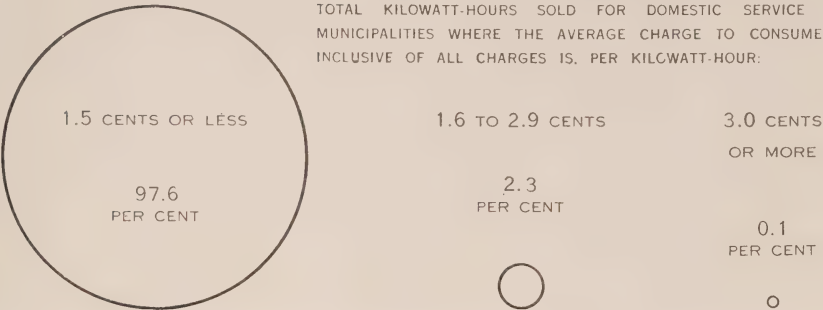
It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

COST OF ELECTRICAL SERVICE TO CONSUMERS
IN MUNICIPALITIES SERVED BY
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

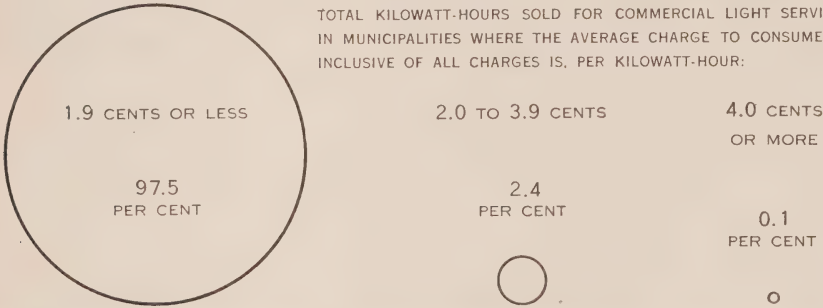
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILCWATT-HOUR:



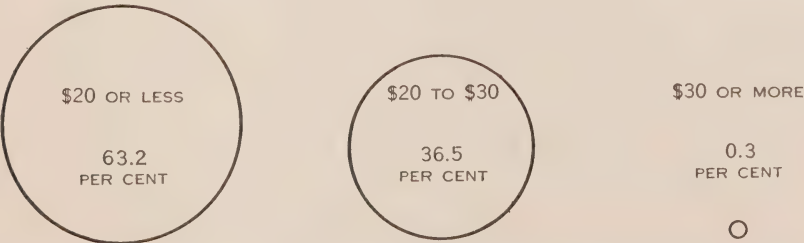
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR.



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.*

*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

| Class of service | CASE A Higher rates and lower revenues per kilowatt-hour | | | CASE B Lower rates and higher revenues per kilowatt-hour | | |
|---------------------|----------------------------------------------------------------|-----------------|---------|----------------------------------------------------------------|-----------------|---------|
| | Energy sales | Rate per kw-hr. | Revenue | Energy sales | Rate per kw-hr. | Revenue |
| | kw-hr. | cents | \$ | kw-hr. | cents | \$ |
| Residence..... | 1,000,000 | 4 | 40,000 | 3,000,000 | 3 | 90,000 |
| Power..... | 9,000,000 | 1 | 90,000 | 7,000,000 | 0.75 | 52,500 |
| Total..... | 10,000,000 | .... | 130,000 | 10,000,000 | .... | 142,500 |
| Average revenue.... | 1.3 cents per kw-hr. | | | 1.425 cents per kw-hr. | | |

It will be observed that in Case A the rates both for residence and for power service are 33 per cent higher than in Case B, but the average revenue per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the relative quantities of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rates schedules* of Statement "E" should be employed and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns less than 2,000 population, villages, and suburban areas in townships. The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. All of the 96 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 85 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, 64 in excess of 2,000 kilowatt-hours, and 23 in excess of 3,000 kilowatt-hours. In addition 165 smaller urban municipalities have an average annual consumption per domestic consumer exceeding 1,000 kilowatt-hours, including 49 in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 0.8 to 1.2 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.8 cents net or less. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer. In 1941, war conditions made necessary the suspension of new installations for water heating.

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group I—CITIES

| Municipality | System | Popula- tion | Domestic service | | | | | |
|--------------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | \$ c. | kw-hr. | | kw-hr. | \$ c. | cents |
| Belleville..... | S.O. | 15,967 | 116,981.29 | 15,751,211 | 4,111 | 319 | 2.37 | 0.74 |
| Brantford..... | S.O. | 34,267 | 201,669.25 | 22,039,946 | 8,768 | 217 | 1.99 | 0.91 |
| Chatham..... | S.O. | 18,033 | 115,812.31 | 8,178,765 | 4,768 | 143 | 2.02 | 1.41 |
| Fort William..... | T.B. | 30,590 | 287,076.66 | 49,125,732 | 7,855 | 521 | 3.04 | 0.58 |
| Galt..... | S.O. | 14,703 | 121,136.88 | 11,726,958 | 4,827 | 202 | 2.09 | 1.03 |
| Guelph..... | S.O. | 23,225 | 139,497.56 | 13,835,780 | 5,823 | 198 | 1.99 | 1.00 |
| Hamilton..... | S.O. | 175,039 | 1,011,337.92 | 105,422,604 | 44,725 | 196 | 1.88 | 0.96 |
| Kingston..... | S.O. | 36,697 | 230,238.63 | 30,092,787 | 8,366 | 299 | 2.29 | 0.76 |
| Kitchener..... | S.O. | 36,165 | 268,870.93 | 27,531,887 | 9,168 | 250 | 2.44 | 0.96 |
| London..... | S.O. | 79,562 | 630,502.72 | 69,426,808 | 21,332 | 271 | 2.46 | 0.91 |
| Niagara Falls..... | S.O. | 19,138 | 129,944.68 | 17,031,123 | 5,222 | 272 | 2.07 | 0.76 |
| North Bay..... | N.O.P. | 15,968 | 111,503.26 | 10,055,377 | 3,594 | 233 | 2.59 | 1.11 |
| Oshawa..... | S.O. | 26,454 | 261,825.64 | 22,027,326 | 7,158 | 256 | 3.04 | 1.18 |
| Ottawa..... | S.O. | 163,690 | 745,655.64 | 93,507,146 | 16,108 | 484 | 3.86 | 0.80 |
| Owen Sound..... | S.O. | 14,014 | 91,416.89 | 8,102,979 | 3,887 | 174 | 1.96 | 1.12 |
| Peterborough..... | S.O. | 32,242 | 222,322.07 | 24,929,798 | 8,125 | 255 | 2.28 | 0.89 |
| Port Arthur..... | T.B. | 25,373 | 176,617.30 | 24,396,400 | 6,640 | 306 | 2.22 | 0.72 |
| St. Catharines..... | S.O. | 34,559 | 204,173.65 | 22,870,642 | 9,081 | 210 | 1.87 | 0.89 |
| St. Thomas..... | S.O. | 18,190 | 156,661.88 | 17,152,354 | 4,803 | 298 | 2.72 | 0.91 |
| Sarnia..... | S.O. | 20,060 | 138,654.93 | 10,857,560 | 5,751 | 157 | 2.01 | 1.28 |
| Stratford..... | S.O. | 17,092 | 162,788.53 | 14,762,518 | 4,646 | 265 | 2.92 | 1.10 |
| Sudbury..... | N.O.P. | 36,299 | 270,861.21 | 21,195,682 | 8,816 | 200 | 2.56 | 1.27 |
| Toronto..... | S.O. | 681,802 | 4,466,153.65 | 457,182,674 | 155,499 | 245 | 2.40 | 0.98 |
| Toronto D.C. & 60 cycle* | | | 8,583.36 | 298,800 | 143 | 174 | 4.99 | 2.87 |
| Welland..... | S.O. | 15,780 | 56,984.90 | 5,927,838 | 3,318 | 149 | 1.43 | 0.96 |
| Windsor..... | S.O. | 117,539 | 772,984.30 | 71,296,577 | 27,414 | 219 | 2.38 | 1.08 |
| Woodstock..... | S.O. | 12,916 | 97,683.67 | 10,140,840 | 3,530 | 239 | 2.31 | 0.96 |

* This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately-owned company. It does not include street railway power.

GROUP II—TOWNS

| | | | | | | | | |
|---------------------|------|--------|-----------|-----------|-------|-----|------|------|
| Almonte..... | S.O. | 2,250 | 15,161.70 | 1,826,675 | 689 | 221 | 1.83 | 0.83 |
| Amherstburg..... | S.O. | 2,826 | 27,303.72 | 2,553,605 | 791 | 269 | 2.88 | 1.07 |
| Arnprior..... | S.O. | 4,010 | 21,364.68 | 1,624,840 | 957 | 141 | 1.86 | 1.31 |
| Aurora..... | S.O. | 3,004 | 27,581.97 | 2,219,937 | 833 | 239 | 2.74 | 1.24 |
| Aylmer..... | S.O. | 2,475 | 18,586.36 | 1,699,262 | 815 | 174 | 1.90 | 1.09 |
| Barrie..... | S.O. | 10,583 | 95,058.56 | 9,329,930 | 2,646 | 294 | 2.99 | 1.02 |
| Bowmanville..... | S.O. | †3,847 | 36,544.41 | 2,940,388 | 1,190 | 205 | 2.55 | 1.24 |
| Brampton..... | S.O. | 6,157 | 55,799.70 | 5,542,174 | 1,688 | 274 | 2.75 | 1.00 |
| Brockville..... | S.O. | 11,077 | 75,372.43 | 7,781,816 | 3,229 | 201 | 1.95 | 0.97 |
| Burlington..... | S.O. | 4,347 | 49,590.71 | 3,828,101 | 1,370 | 233 | 3.02 | 1.30 |
| Carleton Place..... | S.O. | 4,239 | 25,888.14 | 2,114,525 | 1,128 | 156 | 1.91 | 1.22 |
| Clinton..... | S.O. | 2,091 | 15,527.06 | 1,454,915 | 617 | 197 | 2.10 | 1.07 |
| Cobourg..... | S.O. | 4,996 | 46,285.97 | 3,488,484 | 1,511 | 192 | 2.55 | 1.32 |
| Collingwood..... | S.O. | 6,835 | 38,183.26 | 2,872,961 | 1,713 | 131 | 1.86 | 1.33 |
| Delhi..... | S.O. | 2,063 | 16,222.26 | 1,009,524 | 666 | 126 | 2.03 | 1.61 |

† Does not include Summer population.

“D”
in Ontario Municipalities Served by the Commission
and for Power Service during the year 1946
Population, 10,000 or more

| Commercial Light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|-----------------------------------------|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 69,292.45 | 6,389,443 | 668 | 797 | 8.64 | 1.08 | 56,494.83 | 122 | 3,824.1 | 4,901 |
| 107,025.89 | 10,933,386 | 1,393 | 654 | 6.40 | 0.98 | 326,858.79 | 222 | 20,509.0 | 10,383 |
| 118,586.44 | 8,328,261 | 875 | 793 | 11.29 | 1.42 | 108,635.60 | 132 | 5,932.2 | 5,775 |
| 108,262.29 | 12,027,349 | 1,170 | 857 | 7.71 | 0.90 | 108,072.59 | 124 | 6,832.5 | 9,149 |
| 71,032.08 | 4,749,103 | 507 | 781 | 11.68 | 1.49 | 169,119.41 | 143 | 9,647.8 | 5,477 |
| 66,418.86 | 5,716,267 | 819 | 582 | 6.75 | 1.16 | 165,875.73 | 151 | 10,210.5 | 6,793 |
| 612,125.47 | 57,930,316 | 5,773 | 836 | 8.84 | 1.06 | 2,728,629.25 | 1,134 | 157,722.7 | 51,632 |
| 144,840.12 | 14,917,875 | 1,089 | 1,141 | 11.08 | 0.97 | 176,151.09 | 194 | 10,238.2 | 9,649 |
| 157,999.84 | 11,666,515 | 1,136 | 856 | 11.59 | 1.40 | 476,589.30 | 293 | 25,733.3 | 10,597 |
| 255,230.07 | 23,080,395 | 2,453 | 784 | 8.67 | 1.11 | 582,091.78 | 453 | 34,014.6 | 24,238 |
| 85,390.55 | 8,259,346 | 801 | 859 | 8.88 | 1.03 | 120,580.80 | 125 | 7,241.0 | 6,148 |
| 64,879.24 | 4,742,254 | 681 | 580 | 7.94 | 1.12 | 60,582.98 | 91 | 2,566.5 | 4,366 |
| 92,656.28 | 5,458,953 | 754 | 603 | 10.24 | 1.69 | 341,539.06 | 119 | 15,585.3 | 8,031 |
| 341,364.17 | 26,996,760 | 1,511 | 1,489 | 18.83 | 1.26 | 94,632.64 | 208 | 5,805.5 | 17,827 |
| 59,774.89 | 4,175,902 | 577 | 603 | 8.63 | 1.43 | 103,461.17 | 107 | 5,713.7 | 4,571 |
| 105,263.18 | 7,996,631 | 1,063 | 627 | 8.25 | 1.32 | 279,138.39 | 192 | 15,311.8 | 9,380 |
| 103,913.64 | 9,828,791 | 946 | 876 | 9.15 | 1.05 | 295,394.13 | 134 | 21,427.4 | 7,720 |
| 118,136.91 | 11,389,959 | 1,168 | 813 | 8.43 | 1.04 | 378,311.13 | 218 | 23,932.0 | 10,467 |
| 68,282.00 | 6,280,277 | 608 | 861 | 9.36 | 1.09 | 81,970.06 | 87 | 5,027.6 | 5,498 |
| 74,502.88 | 5,706,747 | 683 | 696 | 9.09 | 1.31 | 73,058.20 | 94 | 3,846.3 | 6,528 |
| 69,049.02 | 4,470,083 | 636 | 586 | 9.05 | 1.54 | 68,675.04 | 133 | 4,019.0 | 5,415 |
| 145,340.92 | 8,698,550 | 1,144 | 634 | 10.58 | 1.67 | 56,351.06 | 116 | 2,534.8 | 10,076 |
| 3,159,731.52 | 258,742,455 | 24,836 | 868 | 10.59 | 1.22 | 4,892,333.82 | 4,787 | 236,568.0 | 185,122 |
| 49,573.51 | 1,349,230 | 273 | 412 | 15.13 | 3.67 | 278,785.80 | 698 | 10,674.0 | 1,114 |
| 44,997.16 | 4,272,152 | 488 | 730 | 7.68 | 1.05 | 183,928.27 | 93 | 11,287.4 | 3,899 |
| 443,865.68 | 35,386,566 | 3,440 | 857 | 10.75 | 1.25 | 735,017.56 | 527 | 42,458.0 | 31,381 |
| 62,087.72 | 5,165,345 | 520 | 828 | 9.95 | 1.20 | 100,603.56 | 108 | 6,470.0 | 4,158 |

NOTE—The above group of 26 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

† Does not include street railway power.

of Population, 2,000 or more.

| | | | | | | | | | |
|-----------|-----------|-----|-----|------|------|-----------|----|---------|-------|
| 6,108.65 | 513,833 | 110 | 389 | 4.63 | 1.19 | 8,497.20 | 24 | 506.0 | 823 |
| 10,869.42 | 837,505 | 153 | 456 | 5.92 | 1.30 | 10,354.92 | 16 | 495.4 | 960 |
| 12,476.68 | 721,105 | 226 | 266 | 4.60 | 1.73 | 22,807.24 | 24 | 1,226.9 | 1,207 |
| 10,407.14 | 799,842 | 125 | 533 | 6.94 | 1.30 | 21,470.22 | 18 | 1,037.2 | 976 |
| 14,159.42 | 1,156,450 | 160 | 602 | 7.37 | 1.22 | 9,719.26 | 24 | 608.9 | 999 |
| 53,826.57 | 3,855,019 | 449 | 716 | 9.98 | 1.40 | 46,527.03 | 68 | 2,444.0 | 3,163 |
| 13,118.73 | 758,941 | 187 | 338 | 5.84 | 1.72 | 55,241.94 | 28 | 2,692.7 | 1,405 |
| 24,656.00 | 1,774,655 | 293 | 505 | 7.01 | 1.39 | 25,554.40 | 58 | 1,563.1 | 2,039 |
| 32,724.88 | 2,872,100 | 412 | 581 | 6.62 | 1.14 | 97,249.55 | 76 | 5,404.7 | 3,717 |
| 21,907.32 | 1,366,698 | 162 | 71 | 1.13 | 1.60 | 20,746.41 | 21 | 794.6 | 1,553 |
| 12,280.52 | 678,694 | 195 | 290 | 5.25 | 1.81 | 29,521.40 | 19 | 1,651.0 | 1,342 |
| 9,218.38 | 560,945 | 132 | 354 | 5.82 | 1.64 | 6,255.27 | 18 | 345.4 | 767 |
| 26,254.06 | 1,514,669 | 256 | 493 | 6.54 | 1.73 | 32,289.21 | 53 | 1,451.8 | 1,820 |
| 18,284.20 | 1,244,071 | 283 | 366 | 5.38 | 1.47 | 35,999.04 | 56 | 2,090.5 | 2,052 |
| 14,188.62 | 691,121 | 171 | 337 | 6.91 | 2.05 | 6,180.75 | 10 | 297.7 | 847 |

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group II—TOWNS

| Municipality | System | Popula- tion | Domestic service | | | | | | | |
|-----------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|------|-------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | | |
| | | | \$ | c. | kw-hr. | | kw-hr. | \$ | c. | cents |
| Dundas | S.O. | 5,588 | 30,294. | 70 | 2,173,340 | 1,499 | 121 | 1.68 | 1.39 | |
| Dunnville | S.O. | 4,342 | 16,280. | 12 | 1,217,616 | 1,102 | 92 | 1.23 | 1.34 | |
| Elmira | S.O. | 2,182 | 17,267. | 45 | 1,538,203 | 583 | 220 | 2.47 | 1.12 | |
| Fergus | S.O. | 2,624 | 21,333. | 92 | 1,673,510 | 790 | 177 | 2.25 | 1.27 | |
| Forest Hill | S.O. | 13,960 | 223,122. | 61 | 23,681,153 | 3,867 | 510 | 4.81 | 0.94 | |
| Georgetown | S.O. | 2,468 | 27,526. | 61 | 2,326,770 | 906 | 214 | 2.53 | 1.18 | |
| Goderich | S.O. | *4,728 | 39,170. | 46 | 3,035,196 | 1,390 | 182 | 2.35 | 1.29 | |
| Gravenhurst | S.O. | *2,485 | 14,572. | 42 | 1,439,134 | 663 | 189 | 1.83 | 1.01 | |
| Hanover | S.O. | 3,133 | 24,532. | 20 | 1,844,098 | 884 | 174 | 2.31 | 1.33 | |
| Hespeler | S.O. | 2,936 | 20,593. | 02 | 1,667,529 | 865 | 161 | 1.98 | 1.23 | |
| Humberstone | S.O. | 3,287 | 12,950. | 85 | 905,580 | 801 | 94 | 1.35 | 1.43 | |
| Huntsville | S.O. | *2,750 | 18,928. | 90 | 1,847,522 | 766 | 201 | 2.06 | 1.02 | |
| Ingersoll | S.O. | 5,826 | 38,254. | 62 | 3,342,896 | 1,609 | 173 | 1.98 | 1.14 | |
| Kincardine | S.O. | *2,337 | 16,965. | 75 | 993,104 | 772 | 107 | 1.83 | 1.71 | |
| Kingsville | S.O. | *2,380 | 16,717. | 61 | 1,181,197 | 668 | 147 | 2.09 | 1.42 | |
| Leamington | S.O. | *5,456 | 31,556. | 97 | 2,875,553 | 1,782 | 134 | 1.48 | 1.10 | |
| Lindsay | S.O. | 7,740 | 56,996. | 02 | 5,092,975 | 2,338 | 182 | 2.03 | 1.12 | |
| Listowel | S.O. | 3,209 | 20,548. | 12 | 1,693,141 | 851 | 166 | 2.01 | 1.21 | |
| Long Branch | S.O. | 5,186 | 41,055. | 73 | 3,830,739 | 1,725 | 185 | 1.98 | 1.07 | |
| Meaford | S.O. | 2,650 | 17,533. | 20 | 1,119,763 | 820 | 101 | 1.78 | 1.56 | |
| Merriton | S.O. | 3,407 | 22,075. | 22 | 1,956,726 | 1,001 | 163 | 1.84 | 1.13 | |
| Midland | S.O. | *6,863 | 42,988. | 34 | 3,410,670 | 1,773 | 160 | 2.02 | 1.26 | |
| Mimico | S.O. | 8,353 | 74,878. | 06 | 7,423,084 | 2,418 | 256 | 2.58 | 1.01 | |
| Napanee | S.O. | 3,362 | 30,764. | 92 | 2,623,219 | 941 | 232 | 2.72 | 1.17 | |
| Newmarket | S.O. | 3,990 | 37,323. | 08 | 3,743,041 | 1,110 | 281 | 2.80 | 1.00 | |
| New Toronto | S.O. | 7,182 | 52,408. | 89 | 5,006,422 | 2,136 | 195 | 2.04 | 1.05 | |
| Orangeville | S.O. | 2,633 | 20,913. | 44 | 1,475,515 | 772 | 159 | 2.26 | 1.42 | |
| Paris | S.O. | 4,531 | 30,404. | 31 | 2,699,498 | 1,230 | 183 | 2.06 | 1.13 | |
| Penetanguishene | S.O. | 4,018 | 16,007. | 92 | 1,103,654 | 855 | 108 | 1.56 | 1.45 | |
| Perth | S.O. | 4,265 | 33,581. | 54 | 2,625,382 | 1,159 | 189 | 2.41 | 1.28 | |
| Petrolia | S.O. | 2,684 | 16,132. | 90 | 986,760 | 836 | 98 | 1.61 | 1.63 | |
| Pictou | S.O. | 3,542 | 28,464. | 02 | 2,581,650 | 1,221 | 176 | 1.94 | 1.10 | |
| Port Colborne | S.O. | 7,187 | 33,575. | 47 | 2,380,830 | 1,718 | 115 | 1.63 | 1.41 | |
| Port Credit | S.O. | 2,250 | 22,016. | 52 | 2,381,723 | 685 | 290 | 2.68 | 0.92 | |
| Port Dover | S.O. | *2,073 | 12,651. | 63 | 872,617 | 822 | 88 | 1.28 | 1.45 | |
| Port Hope | S.O. | 4,898 | 40,347. | 47 | 3,725,778 | 1,524 | 204 | 2.21 | 1.08 | |
| Prescott | S.O. | 3,194 | 27,156. | 63 | 1,846,042 | 837 | 184 | 2.70 | 1.47 | |
| Preston | S.O. | 6,701 | 45,025. | 42 | 4,158,280 | 1,763 | 196 | 2.13 | 1.09 | |
| Renfrew | S.O. | 5,781 | 33,265. | 54 | 2,308,686 | 1,449 | 133 | 1.91 | 1.45 | |
| Riverside | S.O. | 5,938 | 46,465. | 67 | 3,434,643 | 1,749 | 164 | 2.21 | 1.35 | |
| St. Marys | S.O. | 3,643 | 35,360. | 70 | 2,682,564 | 1,116 | 200 | 2.64 | 1.32 | |
| Simcoe | S.O. | 6,063 | 30,826. | 49 | 2,665,071 | 1,724 | 129 | 1.49 | 1.16 | |
| Smiths Falls | S.O. | 7,736 | 58,763. | 72 | 5,478,704 | 2,123 | 215 | 2.31 | 1.07 | |
| Strathroy | S.O. | 3,001 | 29,049. | 06 | 2,587,700 | 864 | 250 | 2.80 | 1.12 | |
| Swansea | S.O. | 7,142 | 70,950. | 47 | 7,821,826 | 2,134 | 305 | 2.77 | 0.91 | |

* Does not include Summer population.

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1946

population 2,000 or more—Continued

| Commercial Light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|-----------------------------------------|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 20,123.60 | 1,219,959 | 212 | 480 | 7.91 | 1.64 | 43,352.92 | 42 | 2,774.1 | 1,753 |
| 16,628.02 | 1,325,359 | 258 | 428 | 5.37 | 1.25 | 21,804.95 | 30 | 1,394.0 | 1,390 |
| 10,754.91 | 666,480 | 136 | 408 | 6.59 | 1.61 | 29,675.82 | 30 | 1,298.5 | 749 |
| 9,270.99 | 595,695 | 115 | 432 | 6.72 | 1.56 | 21,064.98 | 15 | 1,044.8 | 920 |
| 33,662.55 | 2,269,487 | 300 | 630 | 9.35 | 1.48 | 3,147.25 | 28 | 197.5 | 4,195 |
| 10,876.69 | 673,917 | 136 | 401 | 6.66 | 1.61 | 44,089.47 | 27 | 2,043.0 | 1,069 |
| 20,007.08 | 1,164,732 | 269 | 361 | 6.20 | 1.72 | 22,308.39 | 27 | 1,098.7 | 1,686 |
| 12,916.89 | 1,310,027 | 115 | 949 | 9.36 | 0.99 | 19,242.19 | 17 | 939.6 | 795 |
| 10,094.22 | 584,834 | 146 | 333 | 5.76 | 1.73 | 26,033.21 | 27 | 1,209.4 | 1,057 |
| 8,565.50 | 549,332 | 97 | 472 | 7.36 | 1.56 | 61,224.43 | 33 | 2,899.8 | 995 |
| 5,441.28 | 384,148 | 89 | 360 | 5.09 | 1.42 | 6,818.01 | 14 | 410.2 | 904 |
| 15,057.59 | 1,075,510 | 141 | 636 | 8.90 | 1.40 | 15,902.26 | 16 | 274.6 | 923 |
| 20,861.25 | 1,545,586 | 244 | 528 | 7.12 | 1.35 | 47,605.10 | 50 | 2,853.7 | 1,903 |
| 9,719.00 | 416,730 | 136 | 255 | 5.96 | 2.33 | 14,967.45 | 20 | 579.6 | 928 |
| 12,038.42 | 764,958 | 172 | 371 | 5.83 | 1.57 | 6,204.61 | 25 | 368.7 | 865 |
| 23,122.27 | 2,496,291 | 311 | 669 | 6.20 | 0.93 | 31,863.66 | 39 | 1,670.2 | 2,132 |
| 36,055.84 | 2,306,407 | 378 | 508 | 7.95 | 1.56 | 39,985.88 | 73 | 2,248.7 | 2,789 |
| 14,010.51 | 903,567 | 167 | 451 | 6.99 | 1.55 | 20,531.34 | 29 | 1,065.2 | 1,047 |
| 8,318.65 | 601,876 | 133 | 377 | 5.21 | 1.38 | 20,160.94 | 15 | 1,128.2 | 1,873 |
| 11,495.53 | 624,252 | 170 | 306 | 5.63 | 1.84 | 13,917.99 | 22 | 686.3 | 1,012 |
| 5,319.11 | 385,699 | 68 | 473 | 6.52 | 1.38 | 201,414.82 | 20 | 10,733.0 | 1,089 |
| 21,534.86 | 1,442,795 | 225 | 534 | 7.98 | 1.49 | 77,079.33 | 59 | 4,892.6 | 2,057 |
| 14,638.87 | 1,096,854 | 173 | 528 | 7.05 | 1.33 | 18,495.36 | 29 | 899.6 | 2,620 |
| 22,832.29 | 1,352,205 | 223 | 505 | 8.53 | 1.69 | 14,237.33 | 28 | 792.8 | 1,192 |
| 23,764.54 | 1,461,984 | 204 | 596 | 9.71 | 1.63 | 20,611.92 | 34 | 1,717.7 | 1,348 |
| 22,332.73 | 2,127,866 | 218 | 813 | 8.54 | 1.05 | 185,602.62 | 40 | 9,551.0 | 2,394 |
| 14,922.04 | 887,065 | 196 | 377 | 6.34 | 1.68 | 6,918.29 | 29 | 425.4 | 997 |
| 12,013.44 | 898,646 | 195 | 384 | 5.13 | 1.34 | 25,892.63 | 26 | 1,628.2 | 1,451 |
| 10,052.22 | 638,352 | 120 | 443 | 6.98 | 1.57 | 24,721.42 | 19 | 1,107.3 | 994 |
| 20,072.32 | 1,301,968 | 202 | 537 | 8.28 | 1.54 | 18,483.03 | 32 | 1,052.0 | 1,393 |
| 10,716.63 | 597,508 | 153 | 325 | 5.84 | 1.79 | 28,337.13 | 58 | 1,086.7 | 1,047 |
| 18,896.51 | 1,457,835 | 240 | 506 | 6.56 | 1.29 | 9,879.48 | 37 | 687.5 | 1,498 |
| 23,643.66 | 1,528,094 | 246 | 518 | 8.01 | 1.55 | 24,127.05 | 26 | 1,271.0 | 1,990 |
| 8,500.51 | 604,104 | 90 | 559 | 7.87 | 1.41 | 6,230.57 | 14 | 305.3 | 789 |
| 7,703.23 | 530,746 | 142 | 311 | 4.52 | 1.45 | 7,052.12 | 19 | 394.0 | 983 |
| 18,482.35 | 1,231,115 | 219 | 468 | 7.03 | 1.50 | 46,867.03 | 45 | 2,417.1 | 1,788 |
| 14,560.03 | 871,242 | 160 | 452 | 7.58 | 1.67 | 12,103.60 | 28 | 944.7 | 1,025 |
| 24,305.69 | 1,654,756 | 235 | 587 | 8.62 | 1.47 | 60,627.96 | 52 | 3,682.0 | 2,050 |
| 20,972.10 | 1,503,911 | 233 | 538 | 7.50 | 1.39 | 43,971.21 | 66 | 2,080.0 | 1,748 |
| 7,151.57 | 467,900 | 91 | 428 | 6.55 | 1.53 | 8,189.90 | 14 | 382.4 | 1,854 |
| 14,875.41 | 790,320 | 192 | 343 | 6.46 | 1.88 | 25,610.78 | 38 | 1,439.5 | 1,346 |
| 35,131.28 | 3,275,534 | 423 | 645 | 6.92 | 1.07 | 35,071.86 | 52 | 1,914.3 | 2,199 |
| 22,391.52 | 1,738,735 | 301 | 481 | 6.20 | 1.29 | 32,031.95 | 41 | 1,727.6 | 2,465 |
| 15,400.94 | 986,464 | 203 | 405 | 6.32 | 1.56 | 18,555.17 | 34 | 1,159.3 | 1,101 |
| 10,261.80 | 711,520 | 99 | 599 | 8.64 | 1.44 | 25,394.17 | 16 | 1,273.3 | 2,249 |

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers

For Domestic Service, for Commercial Light Service

Group II—TOWNS

| Municipality | System | Popula- tion | Domestic service | | | | | | | |
|------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|------|-------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | | |
| | | | \$ | c. | kw-hr. | | kw-hr. | \$ | c. | cents |
| Tecumseh..... | S.O. | *2,794 | 16,650. | 24 | 959,484 | 765 | 105 | 1.81 | 1.74 | |
| Thorold..... | S.O. | 5,517 | 22,457. | 53 | 2,221,748 | 1,317 | 141 | 1.42 | 1.01 | |
| Tillsonburg..... | S.O. | 4,172 | 24,795. | 92 | 2,013,896 | 1,316 | 128 | 1.57 | 1.23 | |
| Trenton..... | S.O. | 9,849 | 43,490. | 60 | 5,262,453 | 1,938 | 226 | 1.87 | 0.83 | |
| Walkerton..... | S.O. | 2,566 | 23,023. | 47 | 1,326,758 | 723 | 153 | 2.65 | 1.73 | |
| Wallaceburg..... | S.O. | 5,088 | 32,895. | 05 | 2,157,603 | 1,673 | 107 | 1.64 | 1.52 | |
| Waterloo..... | S.O. | 9,452 | 74,210. | 66 | 9,471,035 | 2,415 | 327 | 2.56 | 0.78 | |
| Weston..... | S.O. | 6,333 | 63,784. | 75 | 7,633,985 | 1,763 | 361 | 3.01 | 0.84 | |
| Whitby..... | S.O. | 4,595 | 36,717. | 12 | 3,187,739 | 1,093 | 243 | 2.80 | 1.15 | |
| Wingham..... | S.O. | 2,155 | 17,997. | 21 | 1,149,556 | 609 | 157 | 2.46 | 1.57 | |

* Does not include Summer population.

Group III—SMALL TOWNS (less than 2,000 population),

| | | | \$ c. | kw-hr. | | kw-hr. | \$ c. | cent ^s |
|--------------------|------|-------|-----------|-----------|-------|--------|-------|-------------------|
| Acton..... | S.O. | 1,976 | 17,189.88 | 1,485,809 | 596 | 208 | 2.40 | 1.2 |
| Agincourt..... | S.O. | P.V. | 7,637.75 | 615,030 | 177 | 289 | 3.60 | 1.2 |
| Ailsa Craig..... | S.O. | 395 | 3,288.10 | 224,080 | 162 | 115 | 1.69 | 1.5 |
| Alexandria..... | S.O. | 1,904 | 10,175.66 | 545,317 | 461 | 98 | 1.84 | 1.9 |
| Alliston..... | S.O. | 1,528 | 14,318.63 | 913,475 | 452 | 102 | 2.64 | 1.6 |
| Alvinston..... | S.O. | 611 | 4,070.05 | 153,120 | 225 | 57 | 1.51 | 2.7 |
| Ancaster Twp..... | S.O. | ..... | 15,421.86 | 1,186,456 | 408 | 242 | 3.15 | 1.3 |
| Apple Hill..... | S.O. | P.V. | 1,596.00 | 49,825 | 72 | 58 | 1.85 | 3.2 |
| Arkona..... | S.O. | 374 | 3,068.73 | 125,310 | 126 | 83 | 2.03 | 2.4 |
| Arthur..... | S.O. | 922 | 6,065.38 | 277,165 | 267 | 87 | 1.89 | 2.2 |
| Athens..... | S.O. | 714 | 4,517.93 | 126,442 | 185 | 57 | 2.03 | 3.6 |
| Ayr..... | S.O. | 718 | 6,678.58 | 486,435 | 239 | 170 | 2.33 | 1.4 |
| Baden..... | S.O. | P.V. | 4,766.95 | 414,991 | 170 | 203 | 2.34 | 1.1 |
| Bath..... | S.O. | *323 | 3,335.88 | 106,620 | 82 | 108 | 3.39 | 3.1 |
| Beachville..... | S.O. | P.V. | 4,420.80 | 339,687 | 173 | 164 | 2.13 | 1.3 |
| Beamsville..... | S.O. | 1,338 | 12,911.30 | 1,446,778 | 425 | 284 | 2.53 | 0.9 |
| Beaverton..... | S.O. | *842 | 8,548.25 | 531,626 | 344 | 129 | 2.07 | 1.6 |
| Beeton..... | S.O. | 507 | 3,871.53 | 170,945 | 154 | 93 | 2.10 | 2.3 |
| Belle River..... | S.O. | 845 | 7,001.08 | 372,320 | 349 | 89 | 1.67 | 1.9 |
| Blenheim..... | S.O. | 1,873 | 11,082.26 | 798,908 | 584 | 114 | 1.58 | 1.4 |
| Bloomfield..... | S.O. | 624 | 3,639.80 | 239,998 | 185 | 108 | 1.64 | 1.5 |
| Blyth..... | S.O. | 632 | 4,305.78 | 208,653 | 198 | 88 | 1.81 | 2.1 |
| Bobcaygeon†..... | S.O. | *977 | 5,247.83 | 183,923 | 409 | 38 | 1.07 | 2.9 |
| Bolton..... | S.O. | 621 | 5,619.72 | 607,625 | 207 | 245 | 2.26 | 0.9 |
| Bothwell..... | S.O. | 574 | 3,171.64 | 219,506 | 196 | 93 | 1.35 | 1.4 |
| Bradford..... | S.O. | 1,075 | 8,617.49 | 483,180 | 301 | 134 | 2.39 | 1.8 |
| Braeside..... | S.O. | 405 | 1,980.83 | 90,460 | 96 | 79 | 1.72 | 2.2 |
| Brantford Twp..... | S.O. | ..... | 50,803.95 | 4,143,217 | 1,899 | 182 | 2.23 | 1.2 |
| Brechin..... | S.O. | P.V. | 1,828.79 | 71,992 | 63 | 95 | 2.42 | 2.5 |
| Bridgeport..... | S.O. | P.V. | 5,697.35 | 393,993 | 192 | 179 | 2.58 | 1.4 |

* Does not include Summer population.

† Six months' operation.

“D”—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1946
population 2,000 or more—Continued

| Commercial Light service | | | | | | Power service | | | Total number of consumers |
|--------------------------|-------------|---------------------|-----------------------------|----------------------|---------------------|---------------|---------------------|-----------------------------|---------------------------|
| Revenue | Consumption | Number of consumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of consumers | Average monthly horse-power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 5,736.28 | 322,195 | 65 | 413 | 7.35 | 1.78 | 1,982.78 | 4 | 101.4 | 834 |
| 9,322.73 | 980,177 | 141 | 579 | 5.51 | 0.95 | 60,604.78 | 23 | 3,120.0 | 1,481 |
| 24,028.07 | 2,089,393 | 280 | 622 | 7.15 | 1.15 | 20,875.14 | 41 | 1,238.2 | 1,637 |
| 23,351.94 | 1,660,994 | 291 | 476 | 6.69 | 1.40 | 89,315.83 | 53 | 4,483.5 | 2,282 |
| 15,650.86 | 848,990 | 138 | 513 | 9.45 | 1.84 | 12,804.78 | 19 | 484.5 | 880 |
| 20,150.90 | 1,369,689 | 281 | 406 | 5.98 | 1.47 | 138,027.97 | 58 | 6,054.3 | 2,012 |
| 29,465.12 | 2,640,616 | 281 | 783 | 8.74 | 1.11 | 78,744.96 | 80 | 4,234.1 | 2,776 |
| 17,322.26 | 1,540,839 | 197 | 652 | 7.33 | 1.12 | 70,838.87 | 34 | 3,986.4 | 1,994 |
| 16,320.83 | 1,076,694 | 173 | 519 | 7.86 | 1.51 | 22,519.01 | 34 | 1,008.9 | 1,300 |
| 12,963.64 | 635,015 | 150 | 353 | 7.20 | 2.04 | 23,624.51 | 24 | 869.6 | 783 |

VILLAGES AND SUBURBAN AREAS

| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
|-----------|---------|-----|--------|-------|-------|-----------|-------|---------|-------|
| 7,847.63 | 603,859 | 111 | 453 | 5.89 | 1.3 | 33,218.67 | 20 | 1,612.8 | 727 |
| 2,001.91 | 76,797 | 31 | 204 | 5.38 | 2.6 | 1,655.66 | 5 | 81.8 | 213 |
| 1,238.82 | 63,478 | 34 | 156 | 3.04 | 1.9 | 1,707.27 | 4 | 75.1 | 200 |
| 6,803.90 | 332,256 | 117 | 237 | 4.84 | 2.0 | 6,053.65 | 19 | 186.9 | 597 |
| 9,901.58 | 472,592 | 127 | 310 | 6.49 | 2.1 | 7,198.06 | 23 | 351.5 | 602 |
| 2,416.34 | 96,054 | 58 | 138 | 3.47 | 2.5 | 1,872.48 | 5 | 62.5 | 288 |
| 4,851.27 | 219,925 | 51 | 359 | 7.93 | 2.2 | 1,000.58 | 9 | 69.5 | 468 |
| 952.52 | 40,043 | 21 | 159 | 3.78 | 2.4 | 573.40 | 2 | 24.4 | 95 |
| 1,481.49 | 54,382 | 36 | 126 | 3.43 | 2.7 | 308.05 | 2 | 9.2 | 164 |
| 6,154.57 | 210,226 | 88 | 200 | 5.83 | 2.9 | 1,904.02 | 7 | 81.8 | 362 |
| 1,959.99 | 68,710 | 43 | 133 | 3.80 | 2.9 | 810.41 | 1 | 33.1 | 229 |
| 2,740.52 | 134,616 | 49 | 229 | 4.66 | 2.0 | 2,466.35 | 7 | 108.2 | 295 |
| 2,186.46 | 143,638 | 34 | 352 | 5.36 | 1.5 | 10,378.90 | 3 | 500.5 | 207 |
| 793.45 | 27,180 | 14 | 162 | 4.72 | 2.9 | ..... | ..... | ..... | 96 |
| 670.21 | 31,776 | 22 | 120 | 2.54 | 2.1 | 18,931.09 | 4 | 775.9 | 199 |
| 5,219.97 | 434,627 | 76 | 477 | 5.72 | 1.2 | 2,412.22 | 7 | 152.8 | 508 |
| 3,659.74 | 201,980 | 68 | 248 | 4.48 | 1.8 | 1,416.95 | 8 | 72.0 | 420 |
| 2,158.99 | 85,595 | 37 | 193 | 4.86 | 2.5 | 435.11 | 5 | 23.7 | 196 |
| 3,764.91 | 218,609 | 58 | 314 | 5.41 | 1.7 | 1,422.26 | 4 | 44.1 | 411 |
| 11,449.74 | 779,840 | 156 | 417 | 6.12 | 1.5 | 9,933.49 | 17 | 489.1 | 757 |
| 2,351.05 | 107,064 | 40 | 223 | 4.90 | 2.2 | 1,402.35 | 7 | 76.6 | 232 |
| 2,347.01 | 91,665 | 56 | 136 | 3.49 | 2.6 | 1,147.89 | 6 | 54.6 | 260 |
| 3,034.29 | 202,031 | 76 | 238 | 3.33 | 1.5 | 431.01 | 6 | 44.3 | 491 |
| 2,277.42 | 124,294 | 49 | 211 | 3.87 | 1.8 | 3,796.74 | 13 | 153.5 | 269 |
| 2,415.66 | 161,679 | 61 | 221 | 3.30 | 1.5 | 1,301.19 | 8 | 121.8 | 265 |
| 6,836.63 | 288,998 | 79 | 305 | 7.21 | 2.4 | 5,568.74 | 14 | 240.6 | 394 |
| 401.82 | 10,944 | 9 | 101 | 3.72 | 3.7 | 5,394.13 | 2 | 265.0 | 107 |
| 7,532.38 | 489,039 | 87 | 468 | 7.21 | 1.5 | 8,480.80 | 9 | 424.6 | 1,995 |
| 945.94 | 35,866 | 24 | 125 | 3.28 | 2.6 | 763.86 | 1 | 30.0 | 88 |
| 1,694.88 | 85,268 | 27 | 263 | 5.17 | 2.0 | 2,329.69 | 4 | 104.7 | 223 |

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popula- tion | Domestic service | | | | | |
|--------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | \$ c. | kw-hr. | | kw-hr. | \$ c. | cents |
| Brigden..... | S.O. | P.V. | 2,393.51 | 110,560 | 131 | 70 | 1.52 | 2.2 |
| Brighton..... | S.O. | 1,726 | 14,182.39 | 855,263 | 612 | 116 | 1.93 | 1.6 |
| Brussels..... | S.O. | 748 | 5,557.63 | 209,765 | 259 | 67 | 1.79 | 2.6 |
| Burford..... | S.O. | P.V. | 6,078.84 | 546,731 | 241 | 189 | 2.10 | 1.1 |
| Burgessville..... | S.O. | P.V. | 1,969.90 | 105,425 | 64 | 137 | 2.56 | 1.9 |
| Caledonia..... | S.O. | 1,435 | 7,898.15 | 530,863 | 466 | 95 | 1.41 | 1.5 |
| Campbellville..... | S.O. | P.V. | 1,483.70 | 101,250 | 56 | 151 | 2.21 | 1.5 |
| Cannington..... | S.O. | 812 | 6,466.81 | 360,182 | 274 | 110 | 1.97 | 1.8 |
| Capreol..... | N.O.P. | 1,680 | 11,360.30 | 638,920 | 453 | 118 | 2.09 | 1.8 |
| Cardinal..... | S.O. | 1,639 | 10,518.01 | 790,050 | 399 | 165 | 2.20 | 1.3 |
| Cayuga..... | S.O. | 619 | 4,938.40 | 211,773 | 200 | 88 | 2.06 | 2.3 |
| Chatsworth..... | S.O. | 338 | 2,696.83 | 166,060 | 121 | 114 | 1.86 | 1.6 |
| Chesley..... | S.O. | 1,548 | 11,042.95 | 913,295 | 478 | 159 | 1.93 | 1.2 |
| Chesterville..... | S.O. | 1,047 | 6,149.52 | 505,130 | 265 | 159 | 1.93 | 1.2 |
| Chippawa..... | S.O. | 1,251 | 8,841.97 | 968,052 | 368 | 219 | 2.00 | 0.9 |
| Clifford..... | S.O. | 431 | 3,258.98 | 177,030 | 138 | 107 | 1.97 | 1.8 |
| Cobden..... | S.O. | 611 | 3,520.38 | 219,482 | 179 | 102 | 1.64 | 1.6 |
| Colborne..... | S.O. | 907 | 8,603.17 | 506,987 | 294 | 144 | 2.44 | 1.7 |
| Coldwater..... | S.O. | 595 | 4,326.02 | 283,850 | 167 | 142 | 2.16 | 1.5 |
| Comber..... | S.O. | P.V. | 2,505.69 | 126,140 | 132 | 80 | 1.58 | 2.0 |
| Cookstown..... | S.O. | P.V. | 2,977.23 | 120,980 | 130 | 78 | 1.91 | 2.5 |
| Cottam..... | S.O. | P.V. | 3,091.13 | 164,060 | 146 | 94 | 1.76 | 1.9 |
| Courtright..... | S.O. | 386 | 1,878.94 | 77,900 | 107 | 61 | 1.46 | 2.4 |
| Creemore..... | S.O. | 631 | 4,496.33 | 249,665 | 192 | 108 | 1.95 | 1.8 |
| Dashwood..... | S.O. | P.V. | 2,762.31 | 139,591 | 107 | 109 | 2.15 | 2.0 |
| Delaware..... | S.O. | P.V. | 2,586.48 | 190,612 | 76 | 209 | 2.84 | 1.4 |
| Deseronto..... | S.O. | 1,271 | 10,366.71 | 539,108 | 410 | 109 | 2.11 | 1.9 |
| Dorchester..... | S.O. | P.V. | 3,302.76 | 219,125 | 158 | 116 | 1.74 | 1.5 |
| Drayton..... | S.O. | 509 | 4,367.92 | 172,860 | 175 | 82 | 2.08 | 2.5 |
| Dresden..... | S.O. | 1,532 | 9,236.34 | 556,399 | 514 | 90 | 1.50 | 1.7 |
| Drumbo..... | S.O. | P.V. | 3,014.23 | 175,240 | 97 | 151 | 2.59 | 1.7 |
| Dublin..... | S.O. | P.V. | 1,752.10 | 78,780 | 69 | 95 | 2.12 | 2.2 |
| Dundalk..... | S.O. | 705 | 5,066.60 | 312,325 | 223 | 117 | 1.89 | 1.6 |
| Durham..... | S.O. | 1,976 | 9,203.86 | 593,141 | 485 | 102 | 1.58 | 1.6 |
| Dutton..... | S.O. | 812 | 3,724.35 | 260,670 | 242 | 90 | 1.28 | 1.4 |
| East York Twp..... | S.O. | ..... | 327,857.81 | 26,594,873 | 12,928 | 171 | 2.11 | 1.2 |
| Elmvale..... | S.O. | P.V. | 4,185.21 | 270,960 | 205 | 110 | 1.70 | 1.5 |
| Elmwood..... | S.O. | P.V. | 1,505.65 | 64,573 | 81 | 66 | 1.55 | 2.3 |
| Elora..... | S.O. | 1,167 | 9,503.02 | 647,677 | 369 | 146 | 2.15 | 1.5 |
| Embro..... | S.O. | 455 | 4,613.27 | 275,504 | 137 | 168 | 2.81 | 1.7 |
| Erieau..... | S.O. | *223 | 5,684.64 | 313,368 | 223 | 117 | 2.12 | 1.8 |
| Erie Beach..... | S.O. | *22 | 1,663.59 | 44,493 | 85 | 44 | 1.63 | 3.7 |
| Essex..... | S.O. | 1,920 | 10,226.95 | 718,690 | 550 | 109 | 1.55 | 1.4 |
| Etobicoke Twp..... | S.O. | ..... | 276,967.43 | 27,557,130 | 7,572 | 303 | 3.05 | 1.0 |
| Exeter..... | S.O. | 1,794 | 17,277.78 | 1,441,728 | 576 | 209 | 2.50 | 1.2 |

* Does not include Summer population.

† Six months' operation.

“D”—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1946

VILLAGES AND SUBURBAN AREAS

| Commercial Light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|-----------------------------------------|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 1,971.67 | 92,520 | 41 | 188 | 4.01 | 2.1 | 2,433.16 | 4 | 75.1 | 176 |
| 5,383.38 | 316,719 | 114 | 232 | 3.94 | 1.7 | 4,563.31 | 9 | 236.1 | 735 |
| 3,250.63 | 112,825 | 67 | 140 | 4.04 | 2.9 | 3,478.63 | 8 | 124.7 | 334 |
| 2,456.79 | 165,464 | 44 | 313 | 4.65 | 1.5 | 1,987.92 | 4 | 126.3 | 289 |
| 709.44 | 23,696 | 18 | 110 | 3.28 | 3.0 | 1,172.03 | 3 | 63.5 | 85 |
| 6,084.06 | 455,881 | 109 | 349 | 4.65 | 1.3 | 2,632.33 | 12 | 151.4 | 587 |
| 531.13 | 27,872 | 11 | 211 | 4.02 | 1.9 | 379.97 | 1 | 8.5 | 68 |
| 3,261.37 | 127,107 | 71 | 149 | 3.83 | 2.6 | 2,641.26 | 10 | 144.7 | 355 |
| 4,005.11 | 215,440 | 60 | 199 | 5.56 | 1.9 | 4,893.26 | 2 | 158.5 | 515 |
| 2,565.14 | 165,620 | 57 | 242 | 3.75 | 1.5 | 383.19 | 3 | 24.7 | 459 |
| 4,845.36 | 204,261 | 72 | 236 | 5.61 | 2.4 | 4,519.07 | 9 | 221.9 | 281 |
| 1,467.51 | 58,085 | 27 | 179 | 4.53 | 2.1 | | | | 148 |
| 6,012.72 | 410,160 | 89 | 384 | 5.63 | 1.5 | 8,499.13 | 24 | 449.7 | 591 |
| 4,795.90 | 271,450 | 72 | 314 | 5.55 | 1.8 | 4,573.92 | 4 | 209.4 | 341 |
| 2,450.84 | 195,333 | 53 | 307 | 3.85 | 1.3 | 1,152.83 | 2 | 50.8 | 423 |
| 2,271.35 | 99,742 | 34 | 244 | 5.57 | 2.3 | 707.28 | 2 | 22.8 | 174 |
| 2,836.99 | 112,771 | 54 | 174 | 4.38 | 2.5 | 2,555.96 | 3 | 78.2 | 236 |
| 5,529.83 | 251,120 | 78 | 268 | 5.91 | 2.2 | 1,162.93 | 8 | 61.6 | 380 |
| 1,962.78 | 74,012 | 50 | 123 | 3.27 | 2.7 | 3,567.47 | 4 | 141.8 | 221 |
| 2,155.34 | 94,702 | 46 | 172 | 3.90 | 2.3 | 3,128.16 | 7 | 156.7 | 185 |
| 1,640.74 | 47,320 | 36 | 101 | 3.80 | 3.5 | 1,494.78 | 4 | 73.5 | 170 |
| 1,712.41 | 83,060 | 28 | 247 | 5.10 | 2.1 | 962.86 | 5 | 53.4 | 179 |
| 861.72 | 43,869 | 23 | 159 | 3.12 | 2.0 | 974.64 | 1 | 12.5 | 131 |
| 2,400.39 | 134,446 | 53 | 211 | 3.77 | 1.8 | 1,317.56 | 3 | 83.7 | 248 |
| 1,331.26 | 60,660 | 27 | 187 | 4.11 | 2.2 | 1,402.91 | 3 | 61.2 | 137 |
| 948.87 | 42,409 | 16 | 221 | 4.94 | 2.2 | | | | 92 |
| 4,581.89 | 183,642 | 63 | 243 | 6.06 | 2.5 | 2,930.87 | 10 | 126.0 | 483 |
| 1,125.74 | 52,277 | 30 | 145 | 3.13 | 2.2 | 742.62 | 2 | 32.1 | 190 |
| 2,751.46 | 104,146 | 66 | 131 | 3.47 | 2.6 | 1,319.81 | 4 | 55.0 | 245 |
| 8,886.63 | 532,015 | 139 | 319 | 5.33 | 1.7 | 8,740.59 | 16 | 432.3 | 669 |
| 1,331.85 | 54,061 | 30 | 150 | 3.70 | 2.5 | 814.57 | 1 | 37.4 | 128 |
| 1,319.16 | 51,271 | 28 | 153 | 3.93 | 2.6 | 1,589.25 | 2 | 72.9 | 99 |
| 3,983.41 | 167,786 | 79 | 177 | 4.20 | 2.4 | 3,200.94 | 7 | 185.6 | 309 |
| 6,024.45 | 320,190 | 115 | 232 | 4.37 | 1.9 | 5,312.58 | 19 | 221.4 | 619 |
| 2,846.09 | 180,509 | 69 | 218 | 3.44 | 1.6 | 3,740.46 | 11 | 207.1 | 322 |
| 33,909.86 | 2,568,276 | 581 | 368 | 4.86 | 1.3 | 54,872.82 | 49 | 2,656.0 | 13,558 |
| 2,273.38 | 121,564 | 56 | 181 | 3.38 | 1.9 | 3,358.21 | 7 | 139.0 | 268 |
| 991.33 | 31,972 | 21 | 127 | 3.93 | 3.1 | 1,978.38 | 2 | 70.7 | 102 |
| 4,974.79 | 279,501 | 69 | 338 | 6.01 | 1.8 | 5,272.30 | 6 | 286.2 | 444 |
| 1,104.60 | 54,071 | 32 | 141 | 2.88 | 2.0 | 1,920.61 | 3 | 72.0 | 172 |
| 1,850.81 | 82,800 | 14 | 493 | 11.02 | 2.2 | 5,321.96 | 4 | 149.9 | 241 |
| 226.25 | 5,867 | 3 | 163 | 6.28 | 3.9 | | | | 88 |
| 11,006.04 | 883,583 | 134 | 549 | 6.84 | 1.2 | 9,711.38 | 21 | 585.9 | 705 |
| 36,191.77 | 2,609,764 | 395 | 550 | 7.63 | 1.4 | 79,865.37 | 60 | 4,137.9 | 8,027 |
| 10,348.47 | 668,064 | 133 | 419 | 6.48 | 1.5 | 6,043.76 | 17 | 385.1 | 726 |

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popula- tion | Domestic service | | | | | |
|-------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | \$ c. | kw-hr. | | kw-hr. | \$ c. | cents |
| Finch..... | S.O. | 328 | 2,969.22 | 142,048 | 125 | 103 | 1.98 | 2.1 |
| Flesherton..... | S.O. | 361 | 2,513.40 | 129,140 | 136 | 79 | 1.54 | 1.9 |
| Fonthill..... | S.O. | 1,009 | 8,098.42 | 569,275 | 312 | 152 | 2.16 | 1.4 |
| Forest..... | S.O. | 1,679 | 16,494.60 | 1,240,590 | 550 | 188 | 2.50 | 1.3 |
| Glencoe..... | S.O. | 703 | 4,960.23 | 253,132 | 246 | 86 | 1.68 | 2.0 |
| Grand Valley..... | S.O. | 594 | 3,811.82 | 198,510 | 193 | 86 | 1.65 | 1.9 |
| Granton..... | S.O. | P.V. | 2,420.61 | 118,822 | 87 | 114 | 2.32 | 2.0 |
| Grimsby..... | S.O. | 1,993 | 19,796.98 | 1,637,578 | 682 | 200 | 2.42 | 1.2 |
| Hagersville..... | S.O. | 1,562 | 8,408.20 | 551,315 | 434 | 106 | 1.61 | 1.5 |
| Harriston..... | S.O. | 1,252 | 9,729.77 | 647,663 | 410 | 132 | 1.98 | 1.5 |
| Harrow..... | S.O. | 1,150 | 14,673.62 | 1,132,614 | 375 | 252 | 3.26 | 1.3 |
| Hastings..... | S.O. | *723 | 5,639.15 | 247,849 | 262 | 79 | 1.79 | 2.3 |
| Havelock..... | S.O. | 936 | 5,654.30 | 310,496 | 304 | 85 | 1.55 | 1.8 |
| Hensall..... | S.O. | 631 | 5,364.38 | 314,320 | 229 | 114 | 1.95 | 1.7 |
| Highgate..... | S.O. | 304 | 2,099.21 | 101,510 | 111 | 76 | 1.58 | 2.1 |
| Holstein..... | S.O. | P.V. | 1,032.06 | 42,200 | 67 | 52 | 1.28 | 2.4 |
| Iroquois..... | S.O. | 910 | 8,584.40 | 654,112 | 322 | 169 | 2.22 | 1.3 |
| Jarvis..... | S.O. | 557 | 3,086.72 | 153,973 | 164 | 78 | 1.57 | 2.0 |
| Kemptville..... | S.O. | 1,200 | 9,992.77 | 643,215 | 409 | 131 | 2.04 | 1.6 |
| Kirkfield..... | S.O. | P.V. | 1,038.37 | 28,030 | 43 | 54 | 2.01 | 3.7 |
| Lakefield..... | S.O. | 1,372 | 9,111.90 | 605,926 | 407 | 124 | 1.87 | 1.5 |
| Lambeth..... | S.O. | P.V. | 4,154.90 | 353,426 | 151 | 185 | 2.29 | 1.2 |
| Lanark..... | S.O. | 734 | 3,876.14 | 167,231 | 193 | 72 | 1.67 | 2.3 |
| Lancaster..... | S.O. | 526 | 2,159.40 | 103,210 | 120 | 72 | 1.50 | 2.1 |
| LaSalle..... | S.O. | 1,100 | 11,868.95 | 739,103 | 302 | 204 | 3.28 | 1.6 |
| London Twp..... | S.O. | ..... | 18,533.40 | 1,581,278 | 519 | 254 | 2.98 | 1.2 |
| Lucan..... | S.O. | 570 | 5,576.55 | 424,472 | 204 | 173 | 2.28 | 1.3 |
| Lucknow..... | S.O. | 928 | 6,332.59 | 350,411 | 330 | 88 | 1.60 | 1.8 |
| Lynden..... | S.O. | P.V. | 3,200.37 | 228,620 | 105 | 181 | 2.54 | 1.4 |
| Madoc..... | S.O. | 1,090 | 6,629.79 | 370,780 | 334 | 93 | 1.65 | 1.8 |
| Markdale..... | S.O. | 722 | 4,186.10 | 422,911 | 256 | 138 | 1.36 | 1.0 |
| Markham..... | S.O. | 1,173 | 10,854.51 | 711,962 | 368 | 161 | 2.46 | 1.5 |
| Marmora..... | S.O. | 965 | 5,381.35 | 229,285 | 269 | 71 | 1.67 | 2.3 |
| Martintown..... | S.O. | P.V. | 1,127.35 | 53,560 | 64 | 70 | 1.47 | 2.1 |
| Maxville..... | S.O. | 807 | 3,621.48 | 181,159 | 182 | 83 | 1.66 | 2.0 |
| Merlin..... | S.O. | P.V. | 2,407.03 | 123,376 | 132 | 80 | 1.52 | 1.9 |
| Mildmay..... | S.O. | 767 | 5,021.29 | 341,712 | 196 | 145 | 2.13 | 1.5 |
| Millbrook..... | S.O. | 679 | 5,244.95 | 196,645 | 195 | 84 | 2.24 | 2.7 |
| Milton..... | S.O. | 1,893 | 16,152.85 | 1,258,624 | 583 | 180 | 2.31 | 1.3 |
| Milverton..... | S.O. | 961 | 6,805.28 | 556,490 | 273 | 170 | 2.08 | 1.2 |
| Mitchell..... | S.O. | 1,560 | 16,038.92 | 1,282,498 | 545 | 196 | 2.45 | 1.3 |
| Moorefield..... | S.O. | P.V. | 1,664.15 | 81,510 | 72 | 94 | 1.93 | 2.0 |
| Morrisburg..... | S.O. | *1,436 | 12,373.12 | 780,207 | 431 | 151 | 2.39 | 1.6 |
| Mt. Brydges..... | S.O. | P.V. | 3,007.92 | 194,604 | 177 | 92 | 1.42 | 1.5 |
| Mt. Forest..... | S.O. | 1,787 | 11,891.11 | 719,420 | 523 | 115 | 1.89 | 1.7 |

* Does not include Summer population.

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1945

VILLAGES AND SUBURBAN AREAS

| Commercial Light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|-----------------------------------------|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 2,238.00 | 73,238 | 43 | 142 | 4.34 | 3.1 | 286.37 | 1 | 8.3 | 169 |
| 2,197.20 | 97,943 | 46 | 177 | 3.98 | 2.2 | 667.48 | 2 | 34.0 | 184 |
| 2,156.75 | 107,736 | 41 | 219 | 4.38 | 2.0 | 771.11 | 5 | 42.3 | 338 |
| 9,294.96 | 524,695 | 152 | 288 | 5.10 | 1.8 | 7,206.90 | 21 | 346.0 | 723 |
| 5,368.90 | 237,690 | 75 | 264 | 5.97 | 2.3 | 3,875.35 | 12 | 180.2 | 333 |
| 2,536.42 | 124,810 | 51 | 204 | 4.14 | 2.0 | 2,543.89 | 8 | 128.6 | 252 |
| 1,217.91 | 59,966 | 29 | 172 | 3.50 | 2.0 | ..... | 1 | 7.5 | 117 |
| 14,582.16 | 1,084,512 | 143 | 632 | 8.50 | 1.3 | 15,072.84 | 17 | 448.7 | 842 |
| 7,897.50 | 478,135 | 127 | 314 | 5.18 | 1.7 | 19,163.91 | 19 | 1,137.4 | 580 |
| 6,852.96 | 348,656 | 107 | 272 | 5.34 | 2.0 | 8,461.11 | 15 | 408.9 | 532 |
| 7,619.72 | 396,156 | 93 | 355 | 6.83 | 1.9 | 5,024.62 | 8 | 240.5 | 476 |
| 3,114.80 | 124,156 | 57 | 182 | 4.55 | 2.5 | 203.12 | 3 | 15.2 | 322 |
| 2,700.09 | 111,179 | 54 | 172 | 4.17 | 2.4 | 2,411.61 | 3 | 103.4 | 361 |
| 2,827.35 | 113,340 | 58 | 163 | 4.06 | 2.5 | 3,602.73 | 17 | 192.0 | 304 |
| 921.25 | 38,860 | 32 | 101 | 2.40 | 2.4 | 1,569.26 | 6 | 77.6 | 149 |
| 359.76 | 16,674 | 14 | 99 | 2.14 | 2.2 | 572.67 | 2 | 24.7 | 83 |
| 3,896.81 | 209,310 | 66 | 264 | 4.92 | 1.9 | 1,893.14 | 5 | 38.6 | 393 |
| 2,318.35 | 126,360 | 42 | 251 | 4.60 | 1.8 | 3,821.12 | 4 | 146.4 | 210 |
| 7,056.91 | 374,824 | 84 | 372 | 7.00 | 1.9 | 4,544.98 | 5 | 198.5 | 498 |
| 1,312.46 | 35,560 | 18 | 165 | 6.08 | 3.7 | ..... | ..... | ..... | 61 |
| 5,897.24 | 317,502 | 79 | 335 | 6.22 | 1.9 | 7,618.35 | 12 | 372.3 | 498 |
| 1,210.02 | 76,091 | 27 | 235 | 3.73 | 1.6 | 808.77 | 5 | 66.0 | 183 |
| 3,059.01 | 142,770 | 43 | 277 | 5.93 | 2.1 | 988.43 | 2 | 25.9 | 238 |
| 1,240.17 | 49,000 | 31 | 132 | 3.33 | 2.5 | ..... | ..... | ..... | 151 |
| 2,094.07 | 97,694 | 17 | 479 | 10.27 | 2.1 | 805.10 | 3 | 30.5 | 322 |
| 2,500.79 | 155,687 | 19 | 683 | 10.97 | 1.6 | 1,871.23 | 5 | 89.0 | 543 |
| 3,042.57 | 163,436 | 55 | 248 | 4.61 | 1.9 | 1,277.65 | 5 | 68.4 | 264 |
| 3,718.98 | 153,507 | 95 | 135 | 3.26 | 2.4 | 14,157.95 | 10 | 430.6 | 435 |
| 769.77 | 33,624 | 15 | 187 | 4.28 | 2.3 | 799.99 | 2 | 45.0 | 122 |
| 4,691.79 | 214,537 | 95 | 188 | 4.12 | 2.2 | 2,397.11 | 6 | 110.4 | 435 |
| 3,480.59 | 263,181 | 74 | 296 | 3.92 | 1.3 | 2,088.85 | 8 | 131.1 | 338 |
| 5,114.44 | 315,888 | 67 | 393 | 6.36 | 1.6 | 3,973.95 | 9 | 193.3 | 444 |
| 2,801.62 | 144,605 | 41 | 293 | 5.69 | 1.9 | 401.07 | 1 | 23.9 | 311 |
| 1,261.53 | 52,476 | 24 | 182 | 4.38 | 2.4 | 51.02 | 1 | 5.2 | 89 |
| 2,532.65 | 100,108 | 46 | 181 | 4.59 | 2.5 | ..... | ..... | ..... | 228 |
| 2,204.23 | 103,089 | 55 | 156 | 3.34 | 2.1 | 1,378.40 | 3 | 61.5 | 190 |
| 3,300.23 | 136,630 | 61 | 187 | 4.51 | 2.4 | 1,813.91 | 5 | 57.8 | 262 |
| 2,176.86 | 50,020 | 65 | 64 | 2.79 | 4.3 | 1,821.86 | 5 | 59.6 | 265 |
| 8,688.80 | 565,102 | 111 | 424 | 6.52 | 1.5 | 29,306.54 | 18 | 1,309.0 | 712 |
| 4,895.35 | 276,196 | 82 | 281 | 4.97 | 1.8 | 6,466.55 | 11 | 382.7 | 366 |
| 8,506.00 | 508,972 | 146 | 291 | 4.86 | 1.7 | 8,275.13 | 28 | 426.0 | 719 |
| 1,538.64 | 73,030 | 29 | 210 | 4.42 | 2.1 | 1,841.96 | 2 | 52.9 | 103 |
| 7,667.35 | 356,398 | 112 | 265 | 5.70 | 2.2 | 4,646.05 | 19 | 242.7 | 562 |
| 1,168.08 | 71,004 | 40 | 148 | 2.43 | 1.6 | 909.06 | 5 | 60.2 | 222 |
| 10,053.30 | 532,790 | 145 | 306 | 5.78 | 1.9 | 7,089.70 | 20 | 368.7 | 688 |

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popula- tion | Domestic service | | | | | |
|--------------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | \$ c. | kw-hr. | | kw-hr. | \$ c. | cents |
| Neustadt..... | S.O. | 418 | 2,473.85 | 99,312 | 130 | 64 | 1.59 | 2.5 |
| Newbury..... | S.O. | 207 | 1,649.54 | 66,209 | 80 | 69 | 1.72 | 2.5 |
| Newcastle..... | S.O. | *675 | 6,155.47 | 409,565 | 239 | 143 | 2.15 | 1.5 |
| New Hamburg..... | S.O. | 1,456 | 11,450.99 | 967,013 | 396 | 203 | 2.41 | 1.2 |
| Niagara-on-the-Lake..... | S.O. | 1,802 | 21,831.50 | 2,184,626 | 655 | 278 | 2.78 | 1.0 |
| Nipigon Twp..... | T.B. | V.A. | 7,326.11 | 535,672 | 294 | 152 | 2.08 | 1.4 |
| North York Twp..... | S.O. | | 258,190.19 | 25,201,577 | 8,397 | 250 | 2.56 | 1.0 |
| Norwich..... | S.O. | 1,249 | 11,407.40 | 1,032,143 | 409 | 210 | 2.32 | 1.1 |
| Norwood..... | S.O. | 685 | 6,231.10 | 322,490 | 245 | 110 | 2.12 | 1.9 |
| Oil Springs..... | S.O. | 396 | 2,485.13 | 165,399 | 114 | 121 | 1.82 | 1.5 |
| Omémée..... | S.O. | 598 | 3,960.81 | 195,897 | 179 | 91 | 1.84 | 2.0 |
| Orono..... | S.O. | P.V. | 5,518.30 | 241,425 | 186 | 108 | 2.47 | 2.3 |
| Otterville..... | S.O. | P.V. | 3,338.82 | 222,940 | 166 | 115 | 1.68 | 1.6 |
| Paisley..... | S.O. | 585 | 4,821.90 | 191,240 | 224 | 71 | 1.79 | 2.5 |
| Palmerston..... | S.O. | 1,379 | 12,761.46 | 1,033,528 | 405 | 213 | 2.63 | 1.2 |
| Parkhill..... | S.O. | 802 | 7,251.15 | 489,405 | 340 | 120 | 1.78 | 1.5 |
| Plattsville..... | S.O. | P.V. | 3,172.98 | 120,761 | 128 | 79 | 2.07 | 2.6 |
| Point Edward..... | S.O. | 1,360 | 8,098.17 | 401,680 | 370 | 91 | 1.82 | 2.0 |
| Port Dalhousie..... | S.O. | *1,747 | 25,434.50 | 2,444,888 | 743 | 274 | 2.85 | 1.0 |
| Port Elgin..... | S.O. | *1,559 | 15,394.22 | 898,020 | 562 | 133 | 2.28 | 1.7 |
| Port McNicoll..... | S.O. | *869 | 4,812.10 | 206,413 | 250 | 69 | 1.60 | 2.3 |
| Port Perry..... | S.O. | 1,288 | 12,039.34 | 606,025 | 405 | 125 | 2.48 | 2.0 |
| Port Rowan..... | S.O. | 616 | 3,693.42 | 186,060 | 217 | 71 | 1.40 | 2.0 |
| Port Stanley..... | S.O. | *896 | 19,361.51 | 1,440,338 | 885 | 136 | 1.80 | 1.3 |
| Priceville..... | S.O. | P.V. | 731.89 | 22,326 | 41 | 45 | 1.49 | 3.3 |
| Princeton..... | S.O. | P.V. | 3,110.13 | 188,670 | 105 | 150 | 2.47 | 1.6 |
| Queenston..... | S.O. | P.V. | 3,247.19 | 360,423 | 82 | 366 | 3.30 | 0.9 |
| Richmond..... | S.O. | 450 | 3,163.06 | 174,070 | 96 | 151 | 2.75 | 1.8 |
| Richmond Hill..... | S.O. | 1,458 | 14,576.88 | 1,509,309 | 457 | 275 | 2.66 | 1.0 |
| Ridgetown..... | S.O. | 1,948 | 10,236.37 | 782,220 | 624 | 104 | 1.37 | 1.3 |
| Ripley..... | S.O. | 433 | 3,484.44 | 126,969 | 134 | 79 | 2.17 | 2.7 |
| Rockwood..... | S.O. | P.V. | 5,167.69 | 365,120 | 180 | 169 | 2.39 | 1.4 |
| Rodney..... | S.O. | 731 | 3,997.54 | 230,230 | 274 | 70 | 1.22 | 1.7 |
| Rosseau..... | S.O. | *134 | 1,957.98 | 50,002 | 63 | 66 | 2.59 | 3.9 |
| Russell..... | S.O. | P.V. | 3,914.57 | 164,873 | 127 | 108 | 2.57 | 2.4 |
| St. Clair Beach..... | S.O. | *235 | 3,418.56 | 209,260 | 115 | 152 | 2.48 | 1.6 |
| St. George..... | S.O. | P.V. | 3,742.49 | 264,216 | 177 | 124 | 1.76 | 1.4 |
| St. Jacobs..... | S.O. | P.V. | 4,570.36 | 409,890 | 140 | 244 | 2.72 | 1.1 |
| Scarboro Twp..... | S.O. | | 158,574.45 | 13,325,460 | 6,671 | 166 | 1.98 | 1.2 |
| Seaforth..... | S.O. | 1,724 | 13,762.73 | 1,054,956 | 611 | 144 | 1.88 | 1.3 |
| Shelburne..... | S.O. | 1,132 | 6,924.46 | 390,375 | 333 | 98 | 1.73 | 1.8 |
| Sioux Lookout..... | N.O.P. | 1,897 | 21,309.35 | 564,622 | 586 | 80 | 3.03 | 3.8 |
| Smithville..... | S.O. | P.V. | 3,835.78 | 213,586 | 193 | 92 | 1.66 | 1.8 |
| Southampton..... | S.O. | *1,598 | 12,852.67 | 866,787 | 622 | 116 | 1.72 | 1.5 |
| Springfield..... | S.O. | 409 | 2,548.39 | 137,270 | 133 | 86 | 1.60 | 1.9 |

* Does not include Summer population.

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1946

VILLAGES AND SUBURBAN AREAS

| Commercial Light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|---------------|--------------------------------|---------------------------------------|-----------------------------------------|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw-hr. | | kw-hr. | \$ c. | cents | \$ c. | | | |
| 1,276.62 | 58,900 | 27 | 182 | 3.94 | 2.2 | 673.81 | 3 | 23.5 | 160 |
| 685.86 | 26,482 | 19 | 116 | 3.01 | 2.6 | 253.07 | 1 | 15.9 | 100 |
| 1,888.64 | 104,427 | 36 | 242 | 4.37 | 1.8 | 4,864.63 | 7 | 149.9 | 282 |
| 5,749.07 | 308,186 | 122 | 211 | 3.93 | 1.9 | 8,621.82 | 12 | 415.3 | 530 |
| 7,981.51 | 532,917 | 102 | 435 | 6.52 | 1.5 | 5,973.23 | 13 | 324.4 | 770 |
| 5,590.55 | 370,665 | 62 | 498 | 7.51 | 1.5 | 1,076.23 | 5 | 58.0 | 361 |
| 35,494.78 | 2,210,296 | 467 | 394 | 6.33 | 1.6 | 93,208.42 | 87 | 4,877.1 | 8,951 |
| 5,753.66 | 289,824 | 93 | 260 | 5.16 | 2.0 | 2,231.69 | 9 | 150.7 | 511 |
| 3,711.89 | 127,780 | 65 | 163 | 4.76 | 2.9 | 3,154.90 | 6 | 156.2 | 316 |
| 1,679.45 | 82,351 | 39 | 176 | 3.59 | 2.0 | 5,480.16 | 36 | 168.1 | 189 |
| 987.36 | 47,692 | 28 | 141 | 2.94 | 2.1 | 4,920.36 | 6 | 208.9 | 213 |
| 2,385.44 | 77,592 | 43 | 150 | 4.62 | 3.1 | 345.55 | 2 | 11.8 | 231 |
| 2,210.32 | 98,179 | 69 | 119 | 2.67 | 2.3 | 710.60 | 9 | 49.1 | 244 |
| 3,033.81 | 119,936 | 54 | 185 | 4.68 | 2.5 | 1,562.63 | 8 | 61.2 | 286 |
| 6,218.65 | 324,887 | 100 | 271 | 5.18 | 1.9 | 9,601.47 | 17 | 615.7 | 522 |
| 4,462.32 | 216,169 | 90 | 200 | 4.13 | 2.1 | 3,130.31 | 10 | 130.2 | 440 |
| 2,165.66 | 93,873 | 22 | 356 | 8.20 | 2.3 | 2,710.51 | 2 | 104.5 | 152 |
| 3,907.11 | 162,070 | 56 | 241 | 5.81 | 2.4 | 41,560.16 | 11 | 1,626.0 | 437 |
| 6,160.72 | 454,734 | 72 | 526 | 7.13 | 1.4 | 7,571.46 | 12 | 500.2 | 827 |
| 8,569.21 | 381,430 | 129 | 246 | 5.54 | 2.2 | 4,486.11 | 7 | 192.8 | 698 |
| 1,045.36 | 44,250 | 27 | 137 | 3.23 | 2.3 | ..... | ..... | ..... | 277 |
| 5,353.63 | 243,634 | 86 | 236 | 5.19 | 2.2 | 3,251.89 | 13 | 144.5 | 504 |
| 3,264.97 | 172,839 | 63 | 229 | 4.32 | 1.9 | ..... | ..... | ..... | 280 |
| 7,043.39 | 379,572 | 122 | 259 | 4.81 | 1.9 | 4,931.64 | 11 | 246.1 | 1,018 |
| 245.33 | 7,559 | 7 | 90 | 2.92 | 3.2 | 379.91 | 3 | 12.3 | 51 |
| 1,089.44 | 44,500 | 21 | 177 | 4.32 | 2.4 | 3,148.46 | 4 | 117.7 | 130 |
| 1,720.80 | 112,426 | 18 | 520 | 7.97 | 1.5 | ..... | ..... | ..... | 100 |
| 1,662.69 | 60,796 | 24 | 211 | 5.77 | 2.7 | ..... | ..... | ..... | 120 |
| 4,764.89 | 317,282 | 81 | 326 | 4.90 | 1.5 | 2,435.21 | 15 | 166.2 | 553 |
| 9,223.59 | 537,929 | 145 | 309 | 5.30 | 1.7 | 8,001.94 | 23 | 502.8 | 792 |
| 2,105.72 | 60,768 | 50 | 101 | 3.51 | 3.5 | 2,449.77 | 2 | 84.4 | 186 |
| 1,581.87 | 88,040 | 35 | 210 | 3.77 | 1.8 | 68.08 | 2 | 4.0 | 217 |
| 2,758.60 | 141,249 | 68 | 173 | 3.38 | 2.0 | 2,222.94 | 8 | 121.9 | 350 |
| 893.99 | 28,665 | 10 | 239 | 7.45 | 3.1 | 461.37 | 1 | 17.3 | 74 |
| 2,068.44 | 76,791 | 31 | 206 | 5.56 | 2.7 | ..... | ..... | ..... | 158 |
| 2,124.89 | 111,935 | 9 | 1,046 | 19.67 | 1.9 | 265.63 | 1 | 10.0 | 125 |
| 2,123.66 | 124,739 | 42 | 247 | 4.21 | 1.7 | 3,776.78 | 3 | 156.1 | 222 |
| 2,465.06 | 130,938 | 33 | 331 | 6.22 | 1.9 | 4,859.30 | 9 | 256.8 | 182 |
| 33,253.98 | 2,424,045 | 488 | 414 | 5.68 | 1.4 | 44,685.89 | 55 | 2,162.4 | 7,214 |
| 10,261.12 | 551,292 | 121 | 380 | 7.07 | 1.9 | 18,062.62 | 22 | 843.5 | 754 |
| 4,736.39 | 244,610 | 79 | 258 | 5.00 | 1.9 | 4,375.93 | 15 | 261.4 | 427 |
| 14,410.79 | 288,647 | 106 | 227 | 11.33 | 5.0 | 2,029.37 | 3 | 47.0 | 695 |
| 3,167.05 | 139,203 | 55 | 211 | 4.80 | 2.3 | 5,039.89 | 7 | 272.8 | 255 |
| 6,662.05 | 282,094 | 97 | 242 | 5.72 | 2.4 | 9,350.74 | 12 | 386.6 | 731 |
| 848.10 | 27,575 | 23 | 100 | 3.07 | 3.1 | 1,638.63 | 4 | 61.3 | 160 |

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

| Municipality | System | Popula- tion | Domestic service | | | | | |
|-----------------------|--------|-----------------|------------------|-------------|--------------------------------|-----------------------------------|----------------------------|------------------------|
| | | | Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw-hr. |
| | | | \$ c. | kw-hr. | | kw-hr. | \$ c. | cents |
| Stamford Twp..... | S.O. | ..... | 82,353.17 | 9,846,434 | 2,731 | 300 | 2.51 | 0.8 |
| Stayner..... | S.O. | 1,028 | 7,281.14 | 419,758 | 332 | 105 | 1.83 | 1.7 |
| Stirling..... | S.O. | 1,006 | 7,857.15 | 693,752 | 293 | 197 | 2.23 | 1.1 |
| Stouffville..... | S.O. | 1,340 | 8,858.07 | 764,620 | 437 | 146 | 1.69 | 1.2 |
| Streetsville..... | S.O. | 707 | 6,894.49 | 514,160 | 217 | 197 | 2.65 | 1.3 |
| Sunderland..... | S.O. | P.V. | 3,588.96 | 174,081 | 158 | 92 | 1.89 | 2.1 |
| Sutton..... | S.O. | *981 | 10,353.16 | 594,110 | 484 | 102 | 1.78 | 1.7 |
| Tara..... | S.O. | 472 | 3,312.20 | 199,405 | 172 | 97 | 1.60 | 1.7 |
| Tavistock..... | S.O. | 1,082 | 9,435.81 | 861,168 | 305 | 235 | 2.58 | 1.1 |
| Teeswater..... | S.O. | 854 | 4,940.92 | 266,488 | 241 | 92 | 1.71 | 1.9 |
| Thamesford..... | S.O. | P.V. | 5,264.18 | 457,000 | 156 | 244 | 2.81 | 1.2 |
| Thamesville..... | S.O. | 734 | 4,314.24 | 305,728 | 253 | 101 | 1.42 | 1.4 |
| Thedford..... | S.O. | 598 | 3,790.10 | 205,939 | 200 | 86 | 1.58 | 1.8 |
| Thornbury..... | S.O. | 786 | 6,189.46 | 282,300 | 257 | 92 | 2.01 | 2.1 |
| Thorndale..... | S.O. | P.V. | 2,300.91 | 116,940 | 86 | 113 | 2.23 | 2.0 |
| Thornton..... | S.O. | P.V. | 1,378.95 | 46,530 | 69 | 56 | 1.66 | 3.0 |
| Tiibury..... | S.O. | 1,929 | 8,631.97 | 656,120 | 546 | 100 | 1.32 | 1.3 |
| Toronto Twp..... | S.O. | ..... | 117,844.57 | 9,647,541 | 3,572 | 225 | 2.75 | 1.2 |
| Tottenham..... | S.O. | 455 | 4,114.31 | 216,355 | 175 | 103 | 1.96 | 1.9 |
| Trafalgar Twp..... | S.O. | ..... | 31,066.15 | 1,632,669 | 622 | 219 | 4.16 | 1.9 |
| Tweed..... | S.O. | 1,250 | 8,883.35 | 491,598 | 340 | 120 | 2.18 | 1.8 |
| Uxbridge..... | S.O. | 1,426 | 12,448.85 | 772,750 | 460 | 140 | 2.25 | 1.6 |
| Victoria Harbour..... | S.O. | *894 | 4,155.54 | 185,250 | 290 | 53 | 1.19 | 2.2 |
| Wardsville..... | S.O. | 226 | 1,728.69 | 95,131 | 71 | 112 | 2.03 | 1.8 |
| Warkworth..... | S.O. | P.V. | 2,954.48 | 108,425 | 158 | 57 | 1.56 | 2.7 |
| Waterdown..... | S.O. | 966 | 6,836.24 | 617,320 | 273 | 188 | 2.09 | 1.1 |
| Waterford..... | S.O. | 1,375 | 8,085.48 | 616,230 | 436 | 118 | 1.55 | 1.3 |
| Watford..... | S.O. | 938 | 9,377.22 | 631,130 | 317 | 166 | 2.47 | 1.5 |
| Waubashene..... | S.O. | P.V. | 4,268.66 | 207,370 | 245 | 71 | 1.45 | 2.1 |
| Wellesley..... | S.O. | P.V. | 3,042.94 | 182,560 | 142 | 107 | 1.79 | 1.7 |
| Wellington..... | S.O. | *917 | 7,728.71 | 487,610 | 347 | 117 | 1.86 | 1.6 |
| West Lorne..... | S.O. | 841 | 4,615.33 | 312,630 | 248 | 105 | 1.55 | 1.5 |
| Westport..... | S.O. | 639 | 4,626.83 | 198,462 | 163 | 101 | 2.37 | 2.3 |
| Wheatley..... | S.O. | 711 | 4,173.74 | 264,562 | 237 | 93 | 1.47 | 1.6 |
| Warton..... | S.O. | 1,682 | 9,284.48 | 543,087 | 483 | 94 | 1.60 | 1.7 |
| Williamsburg..... | S.O. | P.V. | 2,030.97 | 203,730 | 92 | 185 | 1.84 | 1.0 |
| Winchester..... | S.O. | 959 | 8,195.17 | 648,317 | 312 | 173 | 2.19 | 1.3 |
| Windermere..... | S.O. | *118 | 2,432.27 | 75,852 | 72 | 88 | 2.82 | 3.2 |
| Woodbridge..... | S.O. | 1,128 | 9,461.48 | 880,410 | 333 | 220 | 2.37 | 1.1 |
| Woodville..... | S.O. | 388 | 2,669.99 | 121,900 | 124 | 82 | 1.79 | 2.2 |
| Wyoming..... | S.O. | 576 | 3,034.03 | 152,000 | 179 | 71 | 1.41 | 2.0 |
| York Township..... | S.O. | ..... | 532,565.97 | 50,309,625 | 22,975 | 182 | 1.93 | 1.1 |
| Zurich..... | S.O. | P.V. | 4,424.47 | 227,760 | 164 | 116 | 2.25 | 1.9 |

* Does not include Summer population.

“D”—Concluded

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1945

VILLAGES AND SUBURBAN AREAS

| Commercial Light service | | | | | | Power service | | | Total number of con- sumers |
|--------------------------|-------------|--------------------------------|-----------------------------------|----------------------------|-------------------------|---------------|--------------------------------|---------------------------------------|-----------------------------------------|
| Revenue | Consumption | Number of con- sumers | Average monthly consumption | Average monthly bill | Net cost per kw.-hr. | Revenue | Number of con- sumers | Average monthly horse- power | |
| \$ c. | kw.-hr. | | kw.-hr. | \$ c. | cents | \$ c. | | | |
| 17,543.61 | 1,245,598 | 173 | 600 | 8.45 | 1.4 | 23,171.12 | 23 | 1,483.5 | 2,927 |
| 4,795.61 | 226,202 | 116 | 163 | 3.45 | 2.1 | 2,894.71 | 17 | 203.4 | 465 |
| 4,244.70 | 226,881 | 91 | 208 | 3.89 | 1.9 | 1,778.54 | 12 | 108.9 | 396 |
| 5,340.05 | 333,235 | 92 | 301 | 3.84 | 1.6 | 2,602.16 | 8 | 150.1 | 537 |
| 2,742.49 | 126,042 | 52 | 202 | 4.39 | 2.1 | 3,018.31 | 6 | 163.0 | 275 |
| 1,792.59 | 84,996 | 42 | 169 | 3.56 | 2.1 | 510.95 | 2 | 17.4 | 202 |
| 4,708.80 | 305,550 | 86 | 296 | 4.56 | 1.5 | 2,060.50 | 5 | 82.9 | 575 |
| 1,817.89 | 95,891 | 38 | 210 | 3.98 | 1.9 | 1,682.14 | 6 | 67.1 | 216 |
| 4,988.77 | 244,784 | 98 | 208 | 4.24 | 2.0 | 9,650.09 | 10 | 431.1 | 413 |
| 3,320.35 | 161,830 | 63 | 214 | 4.39 | 2.1 | 1,595.29 | 5 | 60.8 | 309 |
| 1,806.69 | 99,808 | 46 | 181 | 3.27 | 1.8 | 2,572.90 | 6 | 109.7 | 208 |
| 3,303.73 | 212,328 | 73 | 242 | 3.77 | 1.6 | 2,300.24 | 7 | 118.5 | 333 |
| 2,880.10 | 144,744 | 45 | 268 | 5.33 | 2.0 | 1,497.44 | 2 | 55.1 | 247 |
| 3,426.15 | 120,688 | 66 | 152 | 4.33 | 2.8 | 3,012.88 | 11 | 150.9 | 334 |
| 757.68 | 25,114 | 22 | 95 | 2.87 | 3.0 | 1,880.73 | 3 | 78.8 | 111 |
| 496.39 | 19,881 | 14 | 118 | 2.95 | 2.5 | 245.94 | 1 | 5.0 | 84 |
| 8,158.06 | 541,185 | 134 | 337 | 5.07 | 1.5 | 16,592.75 | 16 | 995.3 | 696 |
| 28,943.81 | 2,043,235 | 242 | 704 | 9.97 | 1.4 | 33,148.75 | 50 | 1,647.0 | 3,864 |
| 1,472.87 | 55,295 | 44 | 105 | 2.79 | 2.7 | 1,722.63 | 8 | 63.2 | 227 |
| 2,915.80 | 78,927 | 29 | 227 | 8.38 | 3.7 | 3,728.61 | 11 | 147.8 | 662 |
| 5,850.98 | 216,216 | 84 | 214 | 5.80 | 2.7 | 5,530.27 | 16 | 213.8 | 440 |
| 5,888.43 | 213,670 | 100 | 178 | 4.91 | 2.7 | 3,827.77 | 14 | 203.4 | 574 |
| 1,128.41 | 58,635 | 32 | 153 | 2.94 | 1.9 | 109.02 | 1 | 3.0 | 323 |
| 1,402.21 | 59,206 | 20 | 247 | 5.84 | 2.4 | 41.81 | 1 | 3.0 | 92 |
| 1,721.81 | 77,428 | 37 | 174 | 3.88 | 2.2 | 96.29 | 1 | 5.5 | 196 |
| 1,739.59 | 131,074 | 34 | 321 | 4.26 | 1.3 | 1,721.86 | 11 | 114.1 | 318 |
| 3,980.38 | 304,685 | 77 | 330 | 4.31 | 1.3 | 5,232.89 | 15 | 305.0 | 528 |
| 4,795.52 | 243,740 | 81 | 251 | 4.93 | 2.0 | 5,023.11 | 8 | 200.8 | 406 |
| 954.63 | 46,040 | 23 | 167 | 3.46 | 2.1 | 510.35 | 3 | 17.6 | 271 |
| 1,824.11 | 91,586 | 48 | 159 | 3.17 | 2.0 | 1,439.15 | 7 | 72.6 | 197 |
| 3,452.10 | 161,046 | 75 | 179 | 3.84 | 2.1 | 3,984.61 | 12 | 215.5 | 434 |
| 4,002.12 | 241,879 | 62 | 325 | 5.38 | 1.7 | 8,272.13 | 9 | 360.8 | 319 |
| 3,572.46 | 138,290 | 52 | 222 | 5.73 | 2.6 | ..... | ..... | ..... | 215 |
| 4,945.01 | 244,671 | 76 | 268 | 5.42 | 2.0 | 3,889.09 | 9 | 182.8 | 322 |
| 8,412.99 | 465,002 | 115 | 337 | 6.10 | 1.8 | 8,109.01 | 19 | 251.7 | 617 |
| 2,362.50 | 139,229 | 34 | 341 | 5.79 | 1.7 | 295.96 | 1 | 25.1 | 127 |
| 5,433.51 | 323,136 | 90 | 299 | 5.03 | 1.7 | 2,175.41 | 3 | 105.4 | 405 |
| 675.43 | 19,781 | 12 | 137 | 4.69 | 3.4 | 1,019.30 | 2 | 39.4 | 86 |
| 2,583.73 | 154,996 | 56 | 231 | 3.84 | 1.7 | 12,687.61 | 10 | 727.3 | 399 |
| 1,130.17 | 37,355 | 24 | 130 | 3.92 | 3.0 | 699.00 | 2 | 43.6 | 150 |
| 1,962.36 | 90,600 | 46 | 164 | 3.56 | 2.2 | 1,492.49 | 3 | 62.4 | 228 |
| 85,994.08 | 6,115,133 | 1,117 | 456 | 6.42 | 1.4 | 163,135.17 | 225 | 8,873.6 | 24,317 |
| 3,721.48 | 124,584 | 42 | 247 | 7.38 | 3.0 | ..... | ..... | ..... | 206 |

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1946

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission"†. In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

*Except townships served as parts of rural power districts, for which consult Section IV.
†R.S.O. 1937, Ch. 62, Sec. 89.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Water-Heater Service: For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro utilities, without capital cost to the consumer.† The installation of new water-heating services was suspended during the war.

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power", discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

†In addition, the municipal Hydro utilities supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month* | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| c—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Acton..... | 23.38 | ..... | 60 | 2.3 | 1.0 | 0.83 | 10 |
| Agincourt..... | 23.62 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Ailsa Craig..... | 28.18 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| Alexandria.....T | 30.66 | ..... | 60 | 3.0 | 1.0 | 1.11 | 10 |
| Alliston.....T | 26.79 | ..... | 55 | 3.5 | 1.0 | 1.11 | 10 |
| Almonte..... | 24.80 | ..... | 60 | 2.5 | 1.0 | 0.83 | 10 |
| Alvinston..... | 32.78 | ..... | 60 | 3.5 | 1.0 | 0.83 | 10 |
| Amherstburg.....T | 26.12 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| Ancaster Twp..... | 24.75 | ..... | 60 | 3.4 | 1.0 | 0.83 | 10 |
| Apple Hill..... | 28.98 | ..... | 60 | 4.0 | 1.0 | 1.39 | 10 |
| Arkona..... | 39.00 | ..... | 60 | 4.0 | 1.0 | 1.11 | 10 |
| Arnprior.....T | 21.52 | ..... | 60 | 2.8 | 0.8 | 0.83 | 10 |
| Arthur..... | 38.99 | ..... | 45 | 4.5 | 1.2 | 1.11 | 10 |
| Athens..... | 32.88 | 33-66 | 50 | 4.5 | 1.5 | 1.11 | 10 |
| Atikokan..... | ..... | 56 | 40 | 3.5 | x1.6 0.75 | †1.67 ‡2.25 | 10 |
| Aurora.....T | 22.33 | ..... | 60 | 2.6 | 1.0 | 0.83 | 10 |
| Aylmer.....T | 24.21 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Ayr..... | 26.05 | ..... | 60 | 2.7 | 1.0 | 1.11 | 10 |
| Baden..... | 23.35 | ..... | 60 | 2.4 | 0.9 | 0.83 | 10 |
| Bala.....T | ..... | 33-66 | 50 | 3.7 | 1.2 | 1.66 | 10 |
| Barrie.....T | 19.88 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| Bath..... | 39.00 | ..... | 60 | 4.8 | 1.5 | 2.22 | 10 |
| Beachville..... | 23.86 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Beamsville..... | 20.88 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Beardmore Townsite.. | ..... | 56 | 40 | 3.5 | x1.6 0.75 | †1.67 ‡2.25 | 10 |
| Beaverton..... | 26.58 | ..... | 60 | 2.8 | 1.0 | 1.11 | 10 |
| Beeton..... | 37.11 | ..... | 45 | 4.0 | 1.2 | 1.39 | 10 |
| Belle River..... | 27.78 | ..... | 60 | 3.0 | 0.9 | 1.11 | 10 |
| Belleville.....C | 18.96 | ..... | 55 | 1.8 | 0.6 | 0.83 | 10 |
| Blenheim.....T | 26.04 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Bloomfield..... | 29.95 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| Blyth..... | 31.51 | ..... | 60 | 2.9 | 1.0 | 1.11 | 10 |
| Bobcaygeon..... | 39.00 | ..... | 60 | 4.0 | 1.25 | 1.11 | 10 |
| Bolton..... | 26.01 | ..... | 60 | 2.9 | 1.0 | 0.83 | 10 |
| Bothwell.....T | 30.79 | ..... | 60 | 2.2 | 0.75 | 0.83 | 10 |
| Bowmanville.....T | 23.35 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Bradford..... | 28.69 | ..... | 45 | 4.2 | 1.0 | 1.39 | 10 |
| Braeside..... | 23.21 | ..... | 50 | 4.0 | 1.3 | 0.83 | 10 |
| Brampton.....T | 21.12 | ..... | 60 | 2.1 | 0.9 | 0.83 | 10 |
| Brantford.....C | 20.91 | ..... | 60 | 1.8 | 0.8 | 0.83 | 10 |

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

†2 wire service.

‡3 wire service.

“E”

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.6 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.6 | 0.8 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.2 | 0.9 | 1.11 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 1.0 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.0 | 0.9 | 0.83 | 10 | 38.00 | 1.00 | 4.0 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.9 | 0.7 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.5 | 1.0 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 0.8 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.0 | 1.0 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.5 | 1.0 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.6 | 0.4 | 1.11 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.4 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.2 | 0.7 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.7 | 0.8 | 1.66 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 5.0 | 1.0 | 2.22 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.8 | 1.11 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.5 | 1.0 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.5 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 4.5 | 1.5 | 0.3 | 0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.7 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.8 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 5.0 | 1.0 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.7 | 0.3 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.7 | 1.0 | 1.39 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.0 | 1.0 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.7 | 0.5 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| z5.0 | 1.5 | 0.35 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |

x2-wire service next 80 kw-hrs, 3-wire service next 180 kw-hrs.
z Minimum 500 watts.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| c—City T—Town (pop. 2,000 or more) | | | | | | | |
| Brantford Twp..... | \$ c. 22.50 | cents | 60 | cents 2.6 | cents 0.9 | \$ c. 1.11 | % 10 |
| Brechin..... | 32.33 | ..... | 45 | 5.5 | 1.2 | 1.67 | 10 |
| Bridgeport..... | 24.52 | ..... | 60 | 3.0 | 0.9 | 0.83 | 10 |
| Brigden..... | 32.83 | ..... | 60 | 3.0 | 0.9 | 1.11 | 10 |
| Brighton..... | 22.75 | ..... | 60 | 3.5 | 0.9 | 0.83 | 10 |
| Brockville..... T | 21.63 | ..... | 60 | 1.8 | 0.7 | 0.83 | 10 |
| Brussels..... | 30.09 | ..... | 60 | 3.2 | 1.0 | 1.11 | 10 |
| Burford..... | 23.85 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Burgessville..... | 31.45 | ..... | 60 | 4.0 | 1.0 | 1.11 | 10 |
| Burlington..... T | 22.45 | ..... |  |  | Special | | |
| Burlington Beach or Hamilton Beach.... | ..... | ..... | 60 | 3.5 | 1.1 | 0.83 | 10 |
| Caledonia..... | 23.36 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Callander..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Campbellville..... | 36.13 | ..... | 60 | 2.8 | 1.0 | 1.11 | 10 |
| Cannington..... | 25.37 | ..... | 60 | 3.2 | 1.0 | 1.11 | 10 |
| Capreol..... T | ..... | ..... | 50 | 3.6 | 1.0 | 1.39 | 10 |
| Cardinal..... | 21.89 | ..... | 55 | 2.5 | 1.0 | 1.11 | 10 |
| Carleton Place..... T | 20.79 | ..... | 55 | 2.5 | 0.9 | 0.83 | 10 |
| Cayuga..... | 29.63 | ..... | 60 | 3.5 | 1.0 | 1.39 | 10 |
| Chatham..... C | 22.99 | ..... | 60 | 2.8 | 0.8 | 0.83 | 10 |
| Chatsworth..... | 27.39 | ..... | 50 | 3.0 | 1.0 | 1.39 | 10 |
| Chesley..... T | 22.94 | ..... | 55 | 2.5 | 0.8 | 1.11 | 10 |
| Chesterville..... | 25.48 | ..... | 55 | 2.3 | 0.9 | 0.83 | 10 |
| Chippawa..... | 18.75 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Clifford..... | 38.51 | ..... | 55 | 3.3 | 1.1 | 1.11 | 10 |
| Clinton..... T | 25.24 | ..... | 60 | 2.2 | 0.7 | 0.83 | 10 |
| Cobden..... | 33.49 | ..... | 40 | 2.8 | 1.0 | 1.11 | 10 |
| Cobourg..... T | 22.70 | ..... | 60 | 2.9 | 1.0 | 0.83 | 10 |
| Colborne..... | 25.30 | ..... | 60 | 3.8 | 1.0 | 0.83 | 10 |
| Coldwater..... | 24.80 | 33-66 | 55 | 2.5 | 1.0 | 1.11 | 10 |
| Collingwood..... T | 21.78 | ..... | 55 | 2.3 | 0.9 | 0.83 | 10 |
| Comber..... | 31.19 | ..... | 60 | 2.9 | 0.8 | 0.83 | 10 |
| Cookstown..... | 25.62 | ..... | 45 | 4.3 | 1.0 | 1.39 | 10 |
| Cottage Cove Townsite..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Cottam..... | 29.57 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Courtright..... | 34.82 | ..... | 60 | 3.0 | 1.1 | 1.11 | 10 |
| Creemore..... | 26.82 | ..... | 50 | 3.1 | 1.0 | 1.39 | 10 |
| Dashwood..... | 28.60 | ..... | 60 | 3.5 | 1.0 | 0.83 | 10 |
| Delaware..... | 24.54 | ..... | 60 | 3.4 | 1.0 | 0.83 | 10 |
| Delhi..... | 24.88 | ..... | 60 | 3.2 | 1.0 | 0.83 | 10 |

* 2-wire service next 80 kw-hrs, 3-wire service next 180 kw-hrs.

† 2-wire service.

‡ 3-wire service.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 2.2 | 0.5 | 1.11 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.8 | 0.8 | 1.67 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.7 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.5 | 0.7 | 1.11 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 0.7 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 4.5 | 1.6 | 0.3 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.7 | 0.8 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 0.8 | 1.11 | 10 | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | ..... | 10 |
| | | | Special | | | | | | | Special | | |
| 5.0 | 3.2 | 0.7 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.6 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | ‡2.25 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.8 | 0.9 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.2 | 0.8 | 1.39 | 10 | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.8 | 1.11 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.7 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.0 | 0.8 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.9 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.7 | 1.11 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.0 | 0.9 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.6 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 1.0 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.9 | 0.6 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.5 | 1.0 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.8 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.0 | 1.0 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 1.0 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.8 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.6 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.8 | 1.0 | 1.39 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.6 | 0.8 | ‡2.25 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.2 | 1.0 | 1.11 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.6 | 0.9 | 1.39 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.0 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.6 | 0.8 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |

† 2-wire service.
‡ 3-wire service.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| c—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Deseronto.....T | 26.44 | ..... | 60 | 3.9 | 1.0 | 0.83 | 10 |
| Dorchester..... | 25.25 | ..... | 60 | 2.6 | 1.0 | 0.83 | 10 |
| Drayton..... | 39.00 | ..... | 55 | 4.0 | 1.3 | 1.11 | 10 |
| Dresden.....T | 27.89 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Drumbo..... | 26.90 | ..... | 60 | 3.5 | 1.0 | 1.11 | 10 |
| Dublin..... | 28.54 | ..... | 60 | 3.5 | 1.1 | 1.11 | 10 |
| Dundalk..... | 23.85 | ..... | 60 | 2.7 | 1.0 | 1.11 | 10 |
| Dundas.....T | 20.26 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Dunnville.....T | 22.20 | ..... | 60 | 1.8 | 0.7 | 0.83 | 10 |
| Durham.....T | 25.62 | ..... | 55 | 2.5 | 1.0 | 0.83 | 10 |
| Dutton..... | 25.75 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| East York Twp..... | 20.47 | ..... | 60 | 2.3 | 1.0 | 0.83 | 10 |
| Elmira.....T | 22.22 | ..... | 60 | 2.6 | 0.8 | 0.83 | 10 |
| Elmvale..... | 27.78 | ..... | 60 | 2.6 | 1.0 | 0.83 | 10 |
| Elmwood..... | 29.91 | ..... | 50 | 3.5 | 0.9 | 1.11 | 10 |
| Elora..... | 25.71 | ..... | 60 | 2.8 | 1.0 | 1.11 | 10 |
| Embro..... | 26.86 | ..... | 60 | 3.3 | 1.1 | 0.83 | 10 |
| Erieau..... | 32.27 | ..... | 60 | 3.7 | 1.0 | 1.11 | 10 |
| Erie Beach..... | 38.89 | ..... | 60 | 4.5 | 1.2 | 1.39 | 10 |
| Erin..... | ..... | ..... | 40 | 5.0 | 1.5 | 1.39 | 10 |
| Essex.....T | 25.83 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Etobicoke Twp..... | 21.12 | ..... | 60 | 2.5 | 1.0 | 0.83 | 10 |
| Exeter..... | 25.09 | ..... | 60 | 2.6 | 0.9 | 0.83 | 10 |
| Fergus..... | 23.81 | ..... | 60 | 2.6 | 0.9 | 1.11 | 10 |
| Finch..... | 28.19 | ..... | 45 | 3.0 | 1.2 | 1.39 | 10 |
| Flesherton..... | 26.95 | ..... | 60 | 2.8 | 1.0 | 1.11 | 10 |
| Fonthill..... | 22.44 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Forest.....T | 27.45 | ..... | 60 | 3.0 | 0.9 | 0.83 | 10 |
| Forest Hill..... | 20.03 | ..... | 60 | 2.5 | 1.1 | 0.83 | 10 |
| Fort William.....C | 18.58 | ..... | 60 | 1.8 | 0.7 | 0.83 | 10 |
| Frankford..... | ..... | ..... | 60 | 4.5 | 1.2 | 0.83 | 10 |
| Galt.....C | 21.10 | ..... | 60 | 2.5 | 0.7 | 0.83 | 10 |
| Gamebridge..... | ..... | ..... | 45 | 5.5 | 1.2 | 1.67 | 10 |
| Georgetown.....T | 24.60 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| Geraldton Townsite.. | ..... | ..... | 60 | 3.7 | 1.2 | 1.11 | 10 |
| Glencoe..... | 35.00 | ..... | 60 | 3.0 | 0.9 | 1.11 | 10 |
| Glen Williams..... | ..... | ..... | 60 | 2.9 | 1.0 | 0.83 | 10 |
| Goderich.....T | 26.98 | ..... | 60 | 2.7 | 0.9 | 0.83 | 10 |
| Grand Valley..... | 31.57 | ..... | 60 | 2.8 | 1.0 | 1.11 | 10 |
| Granton..... | 30.13 | ..... | 60 | 3.3 | 1.0 | 0.83 | 10 |

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 3.5 | 0.9 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.1 | 0.8 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.4 | 0.7 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.0 | 0.8 | 1.11 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 0.8 | 1.11 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 0.8 | 1.11 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.5 | 0.4 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.1 | 0.8 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.7 | 0.3 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.3 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.2 | 0.8 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 0.8 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.6 | 1.11 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.7 | 0.7 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 0.9 | 1.11 | 10 | 38.00 | 1.00 | 4.0 | 2.6 | 0.33 | 2.22 | ..... | 10 |
| 5.0 | 4.0 | 1.0 | 1.39 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.0 | 1.0 | 1.39 | 10 | 36.00 | 1.00 | 3.7 | 2.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.9 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.1 | 0.4 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.2 | 0.4 | 1.11 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.8 | 1.0 | 1.39 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 0.8 | 1.11 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.6 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.5 | 0.6 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.6 | 0.3 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 1.0 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.1 | 0.4 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.8 | 0.8 | 1.67 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.6 | 0.8 | 1.11 | 10 | 31.00 | 1.00 | 2.9 | 1.9 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.5 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.4 | 0.8 | 1.11 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.6 | 1.0 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |

† 2-wire service.
‡ 3-wire service.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| c—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Gravenhurst.....T | 20.53 | ..... | 60 | 1.8 | 0.7 | 0.83 | 10 |
| Grimsby.....T | 22.33 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Guelph.....C | 21.13 | ..... | 60 | 1.8 | 0.8 | 0.83 | 10 |
| Hagersville..... | 24.12 | ..... | 60 | 2.3 | 0.9 | 0.83 | 10 |
| Hamilton.....C | 19.76 | ..... | 60 | 2.0 | 0.7 | 0.83 | 10 |
| Hanover.....T | 20.65 | ..... | 60 | 2.4 | 1.0 | 0.83 | 10 |
| Harriston.....T | 29.25 | ..... | 55 | 3.0 | 1.0 | 0.83 | 10 |
| Harrow.....T | 27.46 | ..... | 60 | 3.2 | 1.0 | 0.83 | 10 |
| Hastings..... | 26.58 | ..... | 45 | 4.2 | 1.0 | 1.11 | 10 |
| Havelock..... | 29.80 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Hensall..... | 30.19 | ..... | 60 | 3.2 | 1.0 | 0.83 | 10 |
| Hepworth..... | ..... | ..... | 60 | 4.0 | 1.2 | 1.67 | 10 |
| Hespeler.....T | 21.11 | ..... | 60 | 2.7 | 0.8 | 0.83 | 10 |
| Highgate..... | 29.83 | ..... | 60 | 3.2 | 0.9 | 0.83 | 10 |
| Hislop Townsite..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Holstein..... | 39.04 | ..... | 60 | 3.0 | 1.0 | 1.11 | 10 |
| Hudson Townsite..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Humberstone..... | 21.88 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Huntsville.....T | 23.64 | ..... | 60 | 2.0 | 0.9 | 0.83 | 10 |
| Ingersoll.....T | 22.11 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Iroquois..... | 21.38 | ..... | 60 | 2.5 | 1.0 | 0.83 | 10 |
| Jarvis..... | 29.96 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Kearns Townsite..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Kemptville..... | 27.88 | ..... | 55 | 3.2 | 1.0 | 0.83 | 10 |
| Kincardine.....T | 26.69 | ..... | 50 | 3.1 | 1.0 | 1.11 | 10 |
| King Kirkland Townsite..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Kingston.....C | 19.63 | ..... | 50 | 1.8 | 0.6 | 0.83 | 10 |
| Kingsville.....T | 26.96 | ..... | 60 | 2.6 | 0.9 | 0.83 | 10 |
| Kirkfield..... | 39.02 | ..... | 50 | 5.0 | 1.2 | 1.66 | 10 |
| Kitchener.....C | 20.63 | ..... | 60 | 2.0 | 0.9 | 0.83 | 10 |
| Lakefield..... | 22.59 | ..... | 55 | 2.8 | 1.0 | 0.83 | 10 |
| Lambeth..... | 25.89 | ..... | 60 | 2.6 | 0.8 | 0.83 | 10 |
| Lanark..... | 38.02 | ..... | 50 | 3.8 | 1.2 | 0.83 | 10 |
| Lancaster..... | 35.34 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| La Salle.....T | 27.51 | ..... | 60 | 3.6 | 1.1 | 1.11 | 10 |
| Leamington.....T | 26.94 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Leaside.....T | ..... | ..... | 50 | 1.8 | 1.0 | 0.83 | 10 |
| Lindsay.....T | 24.55 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Listowel.....T | 25.62 | ..... | 60 | 2.3 | 0.9 | 0.83 | 10 |
| London.....C | 20.73 | ..... | 60 | 2.2 | 0.75 | 0.83 | 10 |
| London Twp..... | 23.39 | ..... | 60 | 2.9 | 1.0 | 1.11 | 10 |
| Long Branch..... | 21.51 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Lucan..... | 24.78 | ..... | 60 | 2.9 | 0.9 | 0.83 | 10 |
| Lucknow..... | 28.69 | ..... | 55 | 2.7 | 1.0 | 1.39 | 10 |
| Lynden..... | 25.22 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |

* 2-wire service next 80 kw-hrs, 3-wire service next 180 kw-hrs.

† 2-wire service. ‡ 3-wire service.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 1.5 | 0.4 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.3 | 0.7 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.6 | 0.3 | 0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.6 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| z5.0 | 1.5 | 0.35 | 0.83 | 10 | 14.50 | a1.00 | 0.9 | 0.56 | 0.25 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.7 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.6 | 0.7 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.6 | 0.7 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.6 | 1.0 | 1.11 | 10 | 37.00 | 1.00 | 3.8 | 2.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.7 | 0.9 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.5 | 1.0 | 1.67 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.8 | 0.7 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | 1.11 †1.67 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.7 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.7 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.4 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.0 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.6 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.7 | 1.0 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.6 | 0.8 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 ‡2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.5 | 0.3 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.9 | 0.5 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 4.5 | 1.0 | 1.66 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.4 | 0.8 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.3 | 1.0 | 0.83 | 10 | 38.00 | 1.00 | 4.0 | 2.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 1.0 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.2 | 0.9 | 1.11 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.7 | 0.4 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| z5.0 | 1.9 | 0.35 | 0.83 | 10 | 18.50 | a1.00 | 1.5 | 0.9 | 0.25 | ..... | ..... | 10 |
| 5.0 | 1.9 | 0.6 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.7 | 0.3 | 0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.6 | 1.11 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.4 | 0.5 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.2 | 0.8 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |

z Minimum 500 watts.

a \$1.00 per kw.

† 2-wire service.

‡ 3-wire service.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality c—City T—Town (pop. 2,000 or more) | Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis | Domestic service | | | | | |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| | \$ c | cents | | cents | cents | \$ c. | % |
| MacTier | 28.39 | ..... | 50 | 4.7 | 1.6 | 1.66 | 10 |
| Madoc | 23.91 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Markdale | 23.48 | ..... | 60 | 2.0 | 1.0 | 0.83 | 10 |
| Markham | 28.41 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Marmora | 26.13 | ..... | 60 | 3.6 | 1.0 | 0.83 | 10 |
| Martintown | 26.13 | ..... | 50 | 3.0 | 1.0 | 1.11 | 10 |
| Matachewan Townsite | 29.10 | ..... | 50 | 4.5 | 1.0 | 1.11 | 10 |
| Maxville | 25.07 | ..... | 55 | 3.1 | 1.0 | 0.83 | 10 |
| Meaford.....T | 28.78 | ..... | 60 | 2.6 | 1.0 | 0.83 | 10 |
| Merlin | 28.78 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Merritton.....T | 18.58 | ..... | 60 | 2.2 | 0.9 | 0.83 | 10 |
| Midland.....T | 20.47 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Mildmay | 26.21 | ..... | 50 | 2.8 | 1.0 | 1.39 | 10 |
| Millbrook | 27.49 | ..... | 60 | 4.6 | 1.0 | 0.83 | 10 |
| Milton.....T | 22.82 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Milverton | 26.43 | ..... | 60 | 2.5 | 1.0 | 0.83 | 10 |
| Mimico.....T | 20.50 | ..... | 60 | 2.2 | 0.9 | 0.83 | 10 |
| Mitchell.....T | 23.89 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Moorefield..... | 38.07 | ..... | 60 | 3.2 | 1.0 | 1.39 | 10 |
| Mooretown Townsite. | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Morrisburg | 22.64 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Mount Brydges | 25.95 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| Mount Forest.....T | 29.35 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Napanee.....T | 22.62 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Neustadt..... | 28.78 | ..... | 60 | 3.0 | 1.0 | 1.39 | 10 |
| Newburg | 32.56 | ..... | 60 | 5.0 | 1.5 | 1.39 | 10 |
| Newbury | 23.75 | ..... | 60 | 4.0 | 1.0 | 1.11 | 10 |
| Newcastle | 23.89 | ..... | 60 | 3.0 | 0.9 | 1.11 | 10 |
| New Hamburg..... | 22.86 | ..... | 60 | 2.7 | 0.9 | 0.83 | 10 |
| Newmarket.....T | 22.77 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| New Toronto.....T | 16.41 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Niagara Falls.....C | 18.87 | ..... | 60 | 1.7 | 0.6 | 0.83 | 10 |
| Niagara-on-the-Lake T | 22.74 | ..... | 60 | 2.4 | 1.0 | 0.83 | 10 |
| Nipigon Twp..... | ..... | ..... | 60 | 2.8 | 1.0 | 1.11 | 10 |
| Nipissing ..... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| North Bay.....C | 21.27 | ..... | 60 | 2.3 | 0.9 | 0.83 | 10 |
| North York Twp..... | 24.31 | ..... | 60 | 2.4 | 0.9 | 0.83 | 10 |
| Norwich | 23.19 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Norwood | 27.60 | ..... | 50 | 3.8 | 1.0 | 1.11 | 10 |
| Oil Springs | 27.60 | ..... | 60 | 2.6 | 0.9 | 1.11 | 10 |

* 2-wire service next 80 kw-hrs, 3-wire service next 180 kw-hrs.

† 2-wire service.

‡ 3-wire service.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 4.4 | 1.0 | 1.66 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | 0.83 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.8 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.4 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.2 | 0.9 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 1.0 | 1.66 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.8 | 1.0 | ‡2.25 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.8 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.6 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.6 | 0.5 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.7 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.4 | 0.8 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.2 | 1.0 | 0.83 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 0.5 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.2 | 0.7 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.9 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.3 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.8 | 0.9 | 1.39 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.7 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.8 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.7 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.8 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.5 | 1.5 | 1.39 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 0.9 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | 1.11 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.6 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.2 | 0.7 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.6 | 0.4 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.5 | 0.35 | 0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.4 | 0.8 | 1.11 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.8 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.2 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.3 | 0.8 | 1.11 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.6 | 1.11 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |

† 2-wire service.
‡ 3-wire service.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| c—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Omemeë..... | 24.51 | ..... | 60 | 3.3 | 1.0 | 0.83 | 10 |
| Orangeville..... T | 26.19 | ..... | 55 | 2.8 | 1.0 | 1.11 | 10 |
| Orono..... | 27.19 | ..... | 60 | 4.5 | 1.0 | 1.11 | 10 |
| Oshawa..... C | 22.55 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| | | | 60 | 2.0 | | | |
| Ottawa..... C | 15.06 | 33-66 | 60 | 1.0 | 0.5 | 0.83 | 10 |
| Otterville..... | 27.60 | ..... | 60 | 2.6 | 0.9 | 0.83 | 10 |
| Owen Sound..... C | 21.75 | ..... | 60 | 2.1 | 0.8 | 0.83 | 10 |
| Paisley..... | 28.87 | ..... | 50 | 4.0 | 1.0 | 1.39 | 10 |
| Palmerston..... T | 27.96 | ..... | 60 | 2.6 | 1.0 | 1.11 | 10 |
| Paris..... T | 21.31 | ..... | 60 | 2.2 | 0.9 | 0.83 | 10 |
| Parkhill..... T | 32.13 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Penetanguishene..... T | 22.03 | ..... | 60 | 2.4 | 0.9 | 0.83 | 10 |
| Perth..... T | 21.75 | ..... | 55 | 2.8 | 1.0 | 0.83 | 10 |
| Peterborough..... C | 19.73 | ..... | 60 | 2.0 | 0.9 | 0.83 | 10 |
| Petrolia..... T | 25.74 | ..... | 60 | 2.7 | 0.8 | 0.83 | 10 |
| Picton..... T | 24.88 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Plattsville..... | 30.09 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Point Edward..... | 26.38 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Port Arthur..... C | 18.52 | ..... | 50 | 1.7 | 0.6 | 0.83 | 10 |
| Port Carling..... | ..... | 33-66 | 45 | 4.7 | 1.5 | 1.66 | 10 |
| Port Colborne..... T | 21.68 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Port Credit..... | 21.95 | ..... | 60 | 2.1 | 0.9 | 0.83 | 10 |
| Port Dalhousie..... | 21.35 | ..... | 60 | 2.4 | 1.0 | 0.83 | 10 |
| Port Dover..... | 26.95 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Port Elgin..... | 28.65 | 33-66 | 40 | 2.5 | 1.2 | 1.11 | 10 |
| Port Hope..... T | 22.96 | ..... | 60 | 2.2 | 0.9 | 0.83 | 10 |
| Port McNicoll..... | 22.66 | ..... | 60 | 3.3 | 1.0 | 0.83 | 10 |
| Port Perry..... | 28.26 | ..... | 50 | 4.0 | 1.2 | 1.11 | 10 |
| Port Rowan..... | 31.79 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Port Stanley..... | 26.98 | ..... | 60 | 2.6 | 0.9 | 0.83 | 10 |
| Powassan..... T | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Prescott..... T | 21.71 | ..... | 60 | 2.5 | 1.1 | 0.83 | 10 |
| Preston..... T | 20.86 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Priceville..... | 38.89 | ..... | 60 | 3.5 | 1.0 | 1.39 | 10 |
| Princeton..... | 31.03 | ..... | 60 | 3.0 | 1.0 | 1.39 | 10 |
| Queenston..... | 19.57 | ..... | 60 | 2.3 | 0.9 | 0.83 | 10 |
| Ramora-Matheson.... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Red Lake Townsite.... | ..... | 56 | 40 | 3.5 | *1.6 0.75 | †1.67 ‡2.25 | 10 |
| Renfrew..... T | 23.89 | ..... | 45 | 3.5 | 1.0 | 0.33 | 10 |
| Richmond..... | 30.59 | ..... | 40 | 4.3 | 1.2 | 1.67 | 10 |

* 2-wire service next 80 kw-hrs, 3-wire service next 180 kw-hrs.

† 2-wire service.

‡ 3-wire service.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|-----------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 2.8 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.8 | 1.11 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.0 | 0.8 | 1.11 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.7 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.8 | 1.2 | 0.15 | ..... | 15 & 10 | 10 |
| 5.0 | 2.2 | 0.5 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.7 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 0.8 | 1.39 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.8 | 1.11 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.7 | 0.4 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.8 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.1 | 0.7 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.7 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.7 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.8 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | 2.00 | ..... | 10 |
| 5.0 | 2.4 | 0.6 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 4.5 | 1.5 | 0.3 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.5 | 0.8 | 1.66 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.9 | 0.6 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.7 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.8 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.9 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.8 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.2 | 1.0 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.8 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 0.5 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 1.0 | †2.25 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.0 | 1.0 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.7 | 0.8 | 1.39 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.7 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †2.25 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.5 | 1.0 | †1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.50 | 10 | ..... | 1.00 | 2.1 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.0 | 1.0 | 1.67 | 10 | 35.00 | 1.00 | 3.5 | 2.3 | 0.33 | ..... | ..... | 10 |

† 2-wire service. ‡ 3-wire service.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality | Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis | Domestic service | | | | | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|----------------------|---------------------------|----------------------------|-------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| c—City T—Town (pop. 2,000 or more) | | | | | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Richmond Hill..... | 22.34 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Ridgetown.....T | 26.16 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Ripley..... | 34.82 | ..... | 55 | 4.8 | 1.0 | 1.67 | 10 |
| Riverside.....T | 26.15 | ..... | 60 | 2.8 | 0.9 | 0.83 | 10 |
| Rockwood..... | 25.60 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Rodney..... | 31.89 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| Rosseau..... | 39.04 | ..... | 60 | 4.0 | 2.0 | 2.22 | 10 |
| Russell..... | 30.45 | ..... | 55 | 4.6 | 1.2 | 1.39 | 10 |
| St. Catharines.....C | 18.71 | ..... | 60 | 1.8 | 0.8 | 0.83 | 10 |
| St. Clair Beach..... | 29.54 | ..... | 60 | 3.5 | 1.0 | 1.11 | 10 |
| St. George..... | 27.84 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| St. Jacobs..... | 22.65 | ..... | 60 | 2.4 | 0.9 | 0.83 | 10 |
| St. Marys.....T | 24.96 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| St. Thomas.....C | 21.79 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| Sarnia.....C | 23.81 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Scarborough Twp..... | 21.92 | ..... | 60 | 2.3 | 0.9 | 0.83 | 10 |
| Seaforth.....T | 24.20 | ..... | 60 | 2.6 | 1.0 | 0.83 | 10 |
| Shelburne..... | 26.51 | ..... | 60 | 2.7 | 1.0 | 1.11 | 10 |
| Simcoe.....T | 22.26 | ..... | 60 | 2.0 | 0.7 | 0.83 | 10 |
| Sioux Lookout.....T | ..... | ..... | 60 | 4.5 | 1.5 | 2.00 | 10 |
| Smiths Falls.....T | 19.97 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Smithville..... | 24.26 | ..... | 60 | 3.0 | 0.9 | 0.83 | 10 |
| Southampton.....T | 27.63 | ..... | 40 | 3.2 | 1.0 | 1.11 | 10 |
| Springfield..... | 29.72 | ..... | 60 | 3.4 | 0.9 | 0.83 | 10 |
| Stamford Twp..... | 16.53 | ..... | 60 | 2.3 | 0.8 | 0.83 | 10 |
| Stayner.....T | 24.11 | ..... | 55 | 3.0 | 1.0 | 0.83 | 10 |
| Stirling..... | 19.53 | ..... | 60 | 2.3 | 0.9 | 0.83 | 10 |
| Stoney Creek..... | ..... | ..... | 60 | 3.5 | 1.1 | 0.83 | 10 |
| Stouffville..... | 25.32 | ..... | 60 | 2.1 | 0.8 | 0.83 | 10 |
| Stratford.....C | 22.34 | ..... | 60 | 2.6 | 0.9 | 0.83 | 10 |
| Strathroy.....T | 22.74 | ..... | 60 | 2.6 | 0.8 | 0.83 | 10 |
| Streetsville..... | 23.74 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Sudbury.....C | ..... | ..... | 60 | 2.4 | 1.0 | 0.83 | 10 |
| Sunderland..... | 31.16 | ..... | 60 | 3.5 | 1.0 | 1.11 | 10 |
| Sutton..... | 30.85 | ..... | 60 | 2.7 | 1.0 | 1.11 | 10 |
| Swansea..... | 23.66 | ..... | 60 | 2.1 | 0.9 | 0.83 | 10 |
| Tara..... | 27.48 | ..... | 55 | 2.6 | 1.0 | 1.11 | 10 |
| Tavistock..... | 25.10 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| Tecumseh.....T | 27.65 | ..... | 60 | 3.0 | 0.9 | 0.83 | 10 |
| Teeswater..... | 29.69 | ..... | 60 | 3.0 | 1.0 | 1.11 | 10 |
| Thamesford..... | 25.91 | ..... | 60 | 2.7 | 0.9 | 0.83 | 10 |
| Thamesville..... | 26.65 | ..... | 60 | 2.1 | 0.8 | 0.83 | 10 |
| Thedford..... | 37.49 | ..... | 60 | 3.6 | 1.0 | 0.83 | 10 |
| Thornbury..... | 33.72 | ..... | 60 | 3.5 | 1.0 | 0.83 | 10 |
| Thorndale..... | 31.19 | ..... | 60 | 3.8 | 1.0 | 0.83 | 10 |

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 1.8 | 0.4 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.6 | 0.4 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.3 | 0.8 | 1.67 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.3 | 0.5 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.7 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 4.0 | 2.0 | 2.22 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 4.3 | 1.0 | 1.39 | 10 | 50.00 | 1.00 | 5.7 | 3.8 | 0.33 | ..... | ..... | 10 |
| z5.0 | 1.5 | ½ | a0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.2 | 0.9 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.7 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.7 | 0.3 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.9 | 0.4 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.1 | 0.7 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.9 | 1.11 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.6 | 0.4 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 4.5 | 1.5 | b1.00 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.3 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.5 | 0.7 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.8 | 0.8 | 1.11 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.9 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.3 | 0.9 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.8 | 0.8 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.2 | 0.7 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.0 | 0.4 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.3 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.4 | 0.8 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.0 | 0.8 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.7 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.7 | 0.5 | 0.83 | 10 | 18.00 | 1.00 | 1.9 | 1.2 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.2 | 0.8 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.5 | 0.5 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.6 | 0.8 | 1.11 | 10 | 34.00 | 1.00 | 3.4 | 2.2 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.1 | 0.6 | 0.83 | 10 | 21.00 | 1.00 | 1.8 | 1.1 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.7 | 0.4 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.2 | 0.7 | 0.83 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 0.8 | 0.83 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.2 | 0.9 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |

a \$0.83 or \$0.83 per kw.
b Per 100 watts—Min. \$2.00 Max. \$5.00.
z Minimum 500 watts.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1946, in Urban Municipalities**

| Municipality C—City T—Town (pop. 2,000 or more) | Annual cost to the Commission on the works to serve electrical energy to muni- cipality on a horse- power basis | Domestic service | | | | | |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------|
| | | Service charge per month | First rate | | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount |
| | | | Number of kw-hrs. per month | Per kw-hr. per month | | | |
| | \$ c. | cents | | cents | cents | \$ c. | % |
| Thornton..... | 31.45 | ..... | 60 | 3.8 | 1.0 | 1.39 | 10 |
| Thorold..... T | 19.65 | ..... | 60 | 1.8 | 0.7 | 0.83 | 10 |
| Tilbury..... T | 26.07 | ..... | 60 | 2.0 | 0.75 | 0.83 | 10 |
| Tillsonburg..... T | 23.08 | ..... | 60 | 2.2 | 0.75 | 0.83 | 10 |
| Toronto..... C | 19.98 | ..... | 50 | 1.8 | 1.0 | 0.83 | 10 |
| Toronto Twp..... | 22.19 | ..... | 60 | 2.7 | 1.0 | 1.11 | 10 |
| Tottenham..... | 38.28 | ..... | 50 | 3.5 | 1.0 | 1.39 | 10 |
| Trafalgar Twp..... | 24.43 | a 28 | 60 | 3.5 | 1.5 | *0.83 | 10 |
| Trenton..... T | 18.49 | ..... | 60 | 1.8 | 0.6 | 0.83 | 10 |
| Tweed..... | 31.27 | ..... | 50 | 3.8 | 1.0 | 0.83 | 10 |
| Uxbridge..... T | 28.12 | ..... | 60 | 3.1 | 1.0 | 1.11 | 10 |
| Victoria Harbour..... | 26.90 | ..... | 60 | 2.4 | 0.9 | 1.11 | 10 |
| Walkerton..... T | 21.27 | ..... | 50 | 3.2 | 1.1 | 1.11 | 10 |
| Wallaceburg..... T | 24.80 | ..... | 60 | 2.6 | 0.8 | 0.83 | 10 |
| Wardsville..... | 33.79 | ..... | 60 | 3.6 | 0.9 | 1.11 | 10 |
| Warkworth..... | 31.53 | ..... | 50 | 3.5 | 1.2 | 1.11 | 10 |
| Waterdown..... | 22.97 | ..... | 60 | 2.2 | 0.8 | 0.83 | 10 |
| Waterford..... | 23.05 | ..... | 60 | 2.1 | 0.8 | 0.83 | 10 |
| Waterloo..... T | 20.80 | ..... | 60 | 1.8 | 0.7 | 0.83 | 10 |
| Watford..... | 27.92 | ..... | 60 | 3.0 | 1.0 | 0.83 | 10 |
| Waubushene..... | 22.53 | ..... | 55 | 3.0 | 1.0 | 1.11 | 10 |
| Welland..... C | 19.03 | ..... | 60 | 1.7 | 0.6 | 0.83 | 10 |
| Wellesley..... | 26.90 | ..... | 60 | 2.8 | 1.0 | 0.83 | 10 |
| Wellington..... | 24.28 | ..... | 60 | 2.7 | 1.0 | 0.83 | 10 |
| West Lorne..... | 27.80 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| Weston..... T | 20.27 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Westport..... | 36.28 | ..... | 50 | 4.0 | 1.0 | 1.94 | 10 |
| Wheatley..... | 33.87 | ..... | 60 | 2.5 | 0.8 | 0.83 | 10 |
| Whitby..... T | 22.03 | ..... | 60 | 2.5 | 0.9 | 0.83 | 10 |
| Wiarton..... T | 30.36 | ..... | 50 | 2.8 | 0.9 | 1.11 | 10 |
| Williamsburg..... | 23.25 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Winchester..... | 23.93 | ..... | 60 | 2.3 | 1.0 | 0.83 | 10 |
| Windermere..... | 38.97 | ..... | 60 | 4.0 | 1.5 | 2.22 | 10 |
| Windsor..... C | 23.33 | ..... | 60 | 2.6 | 0.7 | 0.83 | 10 |
| Wingham..... T | 26.86 | ..... | 50 | 3.2 | 1.1 | 1.11 | 10 |
| Woodbridge..... | 22.75 | ..... | 60 | 2.4 | 0.8 | 0.83 | 10 |
| Woodstock..... C | 21.27 | ..... | 60 | 2.3 | 0.75 | 0.83 | 10 |
| Woodville..... | 30.70 | ..... | 50 | 3.8 | 1.0 | 1.11 | 10 |
| Wyoming..... | 29.49 | ..... | 60 | 3.0 | 0.9 | 0.83 | 10 |
| York Twp..... | 19.92 | ..... | 60 | 2.0 | 0.8 | 0.83 | 10 |
| Zurich..... | 32.73 | ..... | 60 | 3.6 | 1.0 | 0.83 | 10 |

* Under 10 kw, 83 cents; over 10 kw \$2.22 in former Area No. 1. Under 10 kw, \$1.11; over 10 kw \$2.22 in former Area No. 2. a Service charge in former Area No. 2.

“E”—Concluded

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

| Commercial Light service | | | | | Power service | | | | | | | |
|-----------------------------------------------|-------------------------------------|---------------------------|----------------------------|-------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------|----------------------------|----------------|-------------------------|
| Service charge per 100 watts min. 1,000 watts | First 100 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum gross monthly bill | Prompt payment discount | Basis of rate 130 hours' monthly use of demand | Service charge per h.p. per month | First 50 hrs. per month per kw-hr. | Second 50 hrs. per month per kw-hr. | All additional per kw-hr. | Minimum per h.p. per month | Local discount | Prompt payment discount |
| cents | cents | cents | \$ c. | % | \$ c. | \$ c. | cents | cents | cents | \$ c. | % | % |
| 5.0 | 3.3 | 1.0 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.3 | 0.35 | 0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.6 | 0.4 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.7 | 0.4 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| †5.0 | 1.9 | 0.35 | 0.83 | 10 | 18.50 | †1.00 d. D.C. | 1.5 | 0.9 | 0.25 | ..... | ..... | 10 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.2 | 1.2 | 0.6 | ..... | ..... | ..... |
| 5.0 | 2.2 | 0.6 | 1.11 | 10 | 20.00 | 1.00 | 1.6 | 1.0 | 0.33 | ..... | 10 | 10 |
| 5.0 | 3.0 | 1.0 | 1.39 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.8 | 0.7 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.6 | 0.3 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.3 | 1.0 | 0.83 | 10 | 29.00 | 1.00 | 2.6 | 1.7 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.7 | 0.8 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.7 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.9 | 1.11 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 19.00 | 1.00 | 2.0 | 1.4 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.2 | 0.8 | 1.11 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 3.0 | 1.0 | 1.11 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.6 | 0.5 | 0.83 | 10 | 16.00 | 1.00 | 1.5 | 0.9 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.6 | 0.4 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.6 | 0.8 | 0.83 | 10 | 26.00 | 1.00 | 2.2 | 1.4 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.2 | 1.0 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.5 | 0.3 | 0.83 | 10 | 14.00 | 1.00 | 1.1 | 0.7 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.4 | 0.8 | 0.83 | 10 | 23.00 | 1.00 | 2.1 | 1.4 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.8 | 0.83 | 10 | 27.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 1.5 | 0.4 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.5 | 1.0 | 1.94 | 10 | 45.00 | 1.00 | 4.9 | 3.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.4 | 0.5 | 0.83 | 10 | 25.00 | 1.00 | 2.0 | 1.3 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.6 | 0.83 | 10 | 24.00 | 1.00 | 2.3 | 1.5 | 0.33 | ..... | 10 | 10 |
| 5.0 | 2.3 | 0.8 | 1.11 | 10 | 33.00 | 1.00 | 3.2 | 2.1 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.8 | 0.83 | 10 | 32.00 | 1.00 | 3.1 | 2.0 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.8 | 0.83 | 10 | 22.00 | 1.00 | 1.9 | 1.3 | 0.33 | ..... | 10 | 10 |
| 5.0 | 4.0 | 1.5 | 2.22 | 10 | 40.00 | 1.00 | 4.3 | 2.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.1 | 0.5 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.6 | 0.8 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.0 | 0.5 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 1.7 | 0.4 | 0.83 | 10 | 15.00 | 1.00 | 1.3 | 0.8 | 0.33 | ..... | 25 | 10 |
| 5.0 | 2.8 | 0.8 | 1.11 | 10 | 28.00 | 1.00 | 2.5 | 1.6 | 0.33 | ..... | ..... | 10 |
| 5.0 | 2.5 | 0.6 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |
| 5.0 | 1.8 | 0.5 | 0.83 | 10 | 17.00 | 1.00 | 1.7 | 1.1 | 0.33 | ..... | 25 | 10 |
| 5.0 | 3.1 | 0.8 | 0.83 | 10 | 30.00 | 1.00 | 2.8 | 1.8 | 0.33 | ..... | ..... | 10 |

† Minimum 500 watts. ‡ \$1.00 per kw per month.
d D.C.—Service charge \$1.50 per kw per month for first 7½ kw plus \$1.05 per kw for all additional demand.

APPENDIX I

ACTS

CHAPTER 73

An Act to amend The Power Commission Act.

Assented to March 27th, 1946.

Session Prorogued April 5th, 1946.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1.—(1) Section 3 of *The Power Commission Act* is amended Rev. Stat., c. 62, s. 3, amended. by inserting after the word “chairman” in the second line the words “and may appoint another member of the Commission to be vice-chairman”, so that subsection 1 of the said section shall now read as follows:

(1) The Lieutenant-Governor in Council may appoint Chairman, vice-chairman, quorum. one of the members of the Commission to be chairman and may appoint another member of the Commission to be vice-chairman of the Commission, and two members shall form a quorum.

(2) The said section 3 is further amended by adding thereto Rev. Stat., c. 62, s. 3, amended. the following subsection:

(2) In case of the absence or illness of the chairman or of Powers of vice-chairman. there being a vacancy in the office of chairman, the vice-chairman shall act as and have all the powers of the chairman.

2.—(1) Subsection 4 of section 6 of *The Power Commission Act* is repealed and the following substituted therefor: Rev. Stat., c. 62, s. 6, subs. 4, re-enacted

(4) Without the consent of the Attorney-General no action No action against Commission without consent of Attorney-General. of any kind whatsoever shall be brought against the Commission, and without the consent of the Attorney-General no action of any kind whatsoever shall be

brought against any member of the Commission for anything done or omitted by him in the exercise of his office.

Rev. Stat.,
c. 62, s. 6
subss. 6, 7,
8, 9, re-
pealed.

- (2) Subsections 6, 7, 8 and 9 of the said section 6 are repealed.

Rev. Stat.,
c. 62, s. 7,
subss. 1, cl. c,
subcl. iii,
re-enacted.

3.—(1) Subclause iii of clause *c* of subsection 1 of section 7 of *The Power Commission Act* is repealed and the following substituted therefor:

- (iii) the amount billed against each municipality at interim rates on account of the cost of power supplied in the fiscal year, and the balance credited or charged to each municipality in respect of the annual adjustment of the cost of power.

Rev. Stat.,
c. 62, s. 7,
subss. 1,
cl. f,
re-enacted.
Indebted-
ness to
Commission.

- (2) Clause *f* of subsection 1 of the said section 7 is repealed and the following substituted therefor:

- (f) a statement summarizing the amount of the indebtedness due or owing by municipal or other corporations and persons as at the 31st day of October last preceding in respect of,
- (i) construction of works, sale of electrical equipment, apparatus or supplies and services rendered,
 - (ii) power bills, and
 - (iii) other indebtedness, if any,
- and such statement shall also indicate the total amount of debts that are three months or more overdue.

Rev. Stat.,
c. 62, s. 9,
re-enacted.

4. Section 9 of *The Power Commission Act* is repealed and the following substituted therefor:

Application
of income
of Com-
mission.

9. The income of the Commission shall be applied by the Commission,—

- (a) to meet the necessary operating expenses;
- (b) to the preservation, improvement, supervision, renewal, repair, maintenance and insurance of its works;
- (c) to the payment of the remuneration and expenses of the commissioners and the officers and others employed by the Commission;
- (d) for the operations of the Commission under sections 43 and 56 and to meet obligations, charges and expenses arising from time to time in the course of such operations;
- (e) to meet interest expense and expenses of debt service and interest credited on the balances remaining from time to time to the credit of reserve accounts which are established under the authority of this Act;

- (f) to provide reserves authorized by sections 11, 12 and 14; and
- (g) to such other purposes as may be authorized or required by this Act.

5. Section 11 of *The Power Commission Act* is repealed and the following substituted therefor: Rev. Stat.,
c. 62, s. 11,
re-enacted.

11.—(1) The Commission may establish and maintain reserve accounts for the following purposes,— Reserve
accounts
for,—

- (a) to provide for the renewal, reconstruction and repair of works constructed or operated by the Commission; renewals;
- (b) to meet any expenditures or costs caused by or arising from injury to, or destruction, obsolescence or loss of use of any works or other property of the Commission and to meet other contingencies arising in the operations of the Commission and to provide for such part of the cost of properties to be acquired or which have been acquired as is not allocated to specific works; and contingencies;
- (c) to provide a reserve as insurance against loss or damage to any property of the Commission or loss or damage to the persons or property of others caused by or arising from the works or operations of the Commission, insurance.

and may place to the credit of such reserve accounts and expend, use, apply, utilize and appropriate therefrom for the purposes of this section such amounts as may in the opinion of the Commission be sufficient for the purposes of this section.

- (2) The Commission may place to the credit of such reserve accounts interest at such rates as the Commission shall deem equitable and just upon the balances remaining from time to time to the credit of such reserve accounts. Interest.

6. Section 13 of *The Power Commission Act* as amended by section 27 of *The Statute Law Amendment Act, 1942*, and section 1 of *The Power Commission Amendment Act, 1943*, is repealed and the following substituted therefor: Rev. Stat.,
c. 62, s. 13,
re-enacted.

- 13. The Commission may, in its discretion, invest any funds not required in carrying out the objects of the Commission in the debentures or other securities of the Dominion of Canada or of the Province of Ontario, or in securities guaranteed as to principal and interest by either of them. Investment
of funds in
Government
securities.

Rev. Stat.,
c. 62, s. 15,
re-enacted.

7. Section 15 of *The Power Commission Act* is repealed and the following substituted therefor:

Application
of funds
set apart as
sinking fund.

15. All funds set apart by the Commission as a sinking fund under the provisions of section 14 shall be used or employed,—

(a) towards repayment of advances made by the Province of Ontario to the Commission as provided in section 37*a* and towards the retirement of other indebtedness incurred or assumed by the Commission;

(b) to restore reserves or other funds of the Commission utilized for the payment of the cost of works; and

(c) to purchase and hold for sinking fund purposes securities in which the Commission is authorized to invest under section 13.

Rev. Stat.,
c. 62, s. 21,
subs. 2,
cls. a, b,
re-enacted.

8. Clauses *a* and *b* of subsection 2 of section 21 of *The Power Commission Act* are repealed and the following substituted therefor:

To acquire
lands,
waters,
powers and
works.

(a) acquire by purchase, lease or otherwise, land, waters, water privileges, water powers, buildings and works used for, or adapted or useful for, or capable of being used or made useful for generating, transforming, transmitting, distributing or selling electric or other power or energy; enter upon, take possession of, expropriate, acquire and use any such land, waters, water privileges, water powers, buildings and works without the consent of the owner thereof, or of any person in any manner entitled to any right, title, interest, claim or demand thereto or therein; and have and hold them however acquired or obtained, and develop, utilize, use, maintain, operate and improve them for any of the purposes of this Act;

To acquire
assets and
undertaking
of com-
panies.

(b) acquire by purchase the whole or any part of the property, assets and undertaking of Dominion Power and Transmission Company Limited or of any other corporation engaged in the production or sale of electric or other power or energy, including shares held or owned by the Company or other corporation in any other company or companies of any kind or nature whatsoever, and to acquire the whole or any part of the properties, assets and undertakings of such other company or companies and to hold, develop, utilize, use, maintain, operate and improve any property or properties so acquired.

9. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,
c. 62,
amended.

37a.—(1) The advances received by the Commission under the authority of sections 35, 36 and 37 shall be repayable according to Schedule A to this Act. Repayment
of advances.

(2) Notwithstanding anything in this Act the Commission may in addition to the repayments provided for under subsection 1 make further repayments on account of the advances by the Province to the Commission from time to time out of funds in its hands. Further
repayment.

10. Subsection 2 of section 47 of *The Power Commission Act* is amended by inserting after the figures "61" in the tenth line the words "and an amount to be determined by the Commission to be provided for the purposes of section 11", so that the said subsection shall now read as follows: Rev. Stat.,
c. 62, s. 47,
subs. 2,
amended.

(2) His Majesty the King may enter into an agreement or agreements with the Commission, relating to any or all of the works mentioned in subsection 1, providing for payment to the Commission out of the Consolidated Revenue Fund of the Province the amounts from time to time by which the revenues which have been or may hereafter be derived from such works are or may be insufficient to meet in full the annual costs and charges in connection therewith as determined by the Commission, including the items set forth in clauses *a*, *b* and *c* of section 61 and an amount to be determined by the Commission to be provided for the purposes of section 11, and such agreement or agreements when executed by the President of the Executive Council representing His Majesty and the Commission shall be valid and binding on the Province and the Commission respectively. Agreements
between
Crown and
the Com-
mission as to
undertakings
in terri-
torial
districts.

11. Clauses *a*, *b*, *c* and *d* of section 61 of *The Power Commission Act* are repealed and the following substituted therefor: Rev. Stat.,
c. 62, s. 61,
cls. a, b, c, d,
re-enacted.

- (a) the cost of operating, maintaining, renewing and insuring the works and the cost of administration of the Commission;
- (b) interest and expenses of debt service and interest credited on the balances remaining from time to time to the credit of reserve accounts established under the authority of this Act;
- (c) an annual sum sufficient to form in forty years, with interest at four per centum per annum, a sinking fund for the repayment of the advances made by the Province of Ontario under this Act for the cost of the works, for the repayment of any other indebtedness incurred or assumed by the Commission in respect of the cost of

the works, and for the restoration of any reserve or other funds of the Commission utilized for the payment of the cost of the works; and

- (d) an amount to be determined by the Commission for the purposes of sections 11 and 12.

Rev. Stat.,
c. 32, s. 71a
(1939,
c. 35, s. 3),
amended.

12. Section 71a of *The Power Commission Act* as enacted by section 3 of *The Power Commission Amendment Act, 1939* is amended by adding at the end thereof the words "and may upon such terms as it deems proper, sell, lease or otherwise dispose of any lands and works acquired or held for the purposes of this Part", so that the said section shall now read as follows:

Powers
given to
Commission.

71a. For the purposes of this Part, the Commission may exercise any of the powers which the Commission may exercise or be authorized to exercise under Part I and may upon such terms as it deems proper, sell, lease or otherwise dispose of any lands and works acquired or held for the purposes of this Part.

Rev. Stat.,
c. 62, s. 90,
re-enacted.

13. Section 90 of *The Power Commission Act* is repealed and the following substituted therefor:

System of
bookkeeping.

90.—(1) The Commission may prescribe for any municipal corporation or municipal commission receiving electrical power or energy from the Commission for distribution a system of bookkeeping and keeping accounts of the assets, liabilities, revenues and expenditures in respect of the production, development, distribution or sale of electrical power or energy or the dealing in electrical fittings, fixtures, appliances, machines or equipment.

Returns and
statements.

(2) The Commission may require from any municipal corporation or municipal commission which owns, operates, controls or manages an electrical public utility receiving electrical power or energy from the Commission for distribution such returns and statements as the Commission may deem proper, and the Commission shall have access to and the right to inspect the books, records, minutes, statements and returns relating to such electrical public utility and to extract therefrom such information as in the opinion of the Commission may be useful for publication and to embody any of the information in the reports of the Commission.

Rev. Stat.,
c. 62,
amended.

14. *The Power Commission Act* is amended by adding thereto the following section:

Utilization
of funds.

95a. A municipal corporation or municipal commission receiving electrical power or energy from the Commission for distribution may, subject to the approval of the Commission, utilize funds in its hands derived from or pertaining to the electric utility for which such power or energy is received and not required for current

operating expenses or current working capital thereof in the following manner and not otherwise,—

- (a) in the reduction of any indebtedness incurred with respect to the construction and equipment of works for the production, development, distribution or sale of electrical power or energy; or Reduction of indebtedness.
- (b) in purchasing or otherwise acquiring a site and erecting thereon buildings for the occupation and use of the municipal commission as offices and for other business purposes, subject to the approval by the Commission of the site and cost of the plans of any such building, and, subject to such approval, any such office building may be larger than is required for the immediate use of the municipal commission, and any part of such building not immediately required for the use of the municipal commission may be leased by it to the corporation or to any other municipal commission for the purpose of any public utility in the municipality; or Erection of buildings.
- (c) in the renewal of such buildings; or Renewal of buildings.
- (d) in the extension of works for the production, development, distribution or sale of electrical power or energy; or Extension of works.
- (e) in the purchase of such marketable securities and on such terms as the Commission may approve. Purchase of marketable securities.

15. Subsection 1 of section 96 of *The Power Commission Act* as re-enacted by subsection 1 of section 6 of *The Power Commission Amendment Act, 1944*, and subsection 3 of the said section 96 are repealed and the following substituted therefor:

- (1) Whenever it appears from the accounts of a municipal corporation or municipal commission receiving electrical power or energy from the Commission for distribution that there is a surplus of revenue derived from or pertaining to an electric utility over the expenses thereof after providing for any payments required to be made on account of principal or interest of any debentures issued for the construction and equipment of works for the production, development, distribution or sale of electrical power or energy, and for such depreciation and other reserves as the Commission may deem proper, such surplus shall be applied and disposed of in such manner as the Commission may by general regulation or special order direct,— Rev. Stat., c. 62, s. 96, subs. 1 (1944, c. 46, s. 6, subs. 1), subs. 3, re-enacted.
- (a) in repaying to persons to whom electrical power or energy is being supplied by such municipal corporation or municipal commission moneys paid by them for electrical power or energy so supplied, such repayment being made either directly or by a When accounts of a corporation show a surplus.
- In repayment to customers.

credit on or reduction in bills for electrical power or energy; or

To general purposes of municipal corporation.

- (b) to the extent to which such surplus is derived from the supply of electrical power or energy for the lighting of the streets of the municipality or for the operation of any street railway or electric railway or any public utility of the corporation other than an electric utility by payment over of such surplus or of such portion thereof as the Commission may deem proper, to the treasurer of the municipality to be applied to the general purpose of the corporation.

Liability for misapplication of funds.

- (3) Any member of the council of a municipal corporation and any member of a municipal commission where such municipal corporation or municipal commission is receiving electrical power or energy from the Commission for distribution by an electric utility, who is in any manner a party to any disposition or application of a surplus referred to in subsection 1 other than that directed by the Commission, or to any disposition, use, application or dealing with funds pertaining to such electric utility in any manner prohibited by this Act or any other Act shall forfeit his office and proceedings may thereupon be taken against him as provided in *The Municipal Act* in the case of a member of a municipal council who has become disqualified, and the Commission may take the same proceedings in respect thereof as might be taken by a ratepayer of such municipality.

Rev. Stat., c. 266.

Rev. Stat., c. 62, s. 104, subs. 2, re-enacted.

Municipal commission,—how composed in city of 60,000 or over.

16.—(1) Subsection 2 of section 104 of *The Power Commission Act* is repealed and the following substituted therefor:

- (2) Notwithstanding anything contained in *An Act respecting the City of Toronto*, passed in the first year of the reign of His Late Majesty King George the Fifth, chaptered 119, in a city having a population of sixty thousand or over according to the last enumeration of the assessor, the corporation of which has entered into a contract with the Commission under this Act, the commission to be established for the control and management of the construction, operation and maintenance of all works undertaken by the corporation for the distribution and supply of electrical power or energy shall consist of three members, one of whom shall be the mayor of the city, one of whom shall be appointed by the municipal council of the city for two years and until his successor is appointed, and the third of whom shall be appointed by the Commission for two years and shall be eligible for re-appointment from time to time.

(2) Subsection 1 shall have effect from the 1st day of June, 1944, and all members of any such commission appointed by the Commission shall be deemed to have been appointed on the said 1st day of June, 1944, so far as their term of office is concerned.

Subs. 1 re-troactive.

17. Section 105 of *The Power Commission Act* as amended by subsection 3 of section 19 of *The Statute Law Amendment Act, 1938*, is repealed.

Rev. Stat., c. 62, s. 105, repealed.

18. Schedule A to *The Power Commission Act* is repealed and the following substituted therefor:

Rev. Stat., c. 62, Schedule A, re-enacted.

Schedule A

| | |
|---------------------------------------|----------------|
| During year ending 31st October, 1946 | \$2,879,705.62 |
| 1947 | 3,207,339.80 |
| 1948 | 14,895,628.15 |
| 1949 | 2,735,982.87 |
| 1950 | 2,779,563.88 |
| 1951 | 1,726,950.87 |
| 1952 | 10,483,973.05 |
| 1953 | 1,806,559.11 |
| 1954 | 1,849,376.08 |
| 1955 | 1,893,327.08 |
| 1956 | 1,939,621.95 |
| 1957 | 1,796,447.07 |
| 1958 | 1,610,130.67 |
| 1959 | 14,745,686.58 |
| 1960 | 1,341,659.01 |
| 1961 | 15,492,724.75 |
| 1962 | 1,457,165.95 |
| 1963 | 1,519,463.70 |
| 1964 | 1,583,069.40 |
| 1965 | 1,649,394.10 |
| 1966 | 1,718,816.64 |
| 1967 | 1,403,485.50 |
| 1968 | 1,462,764.52 |
| 1969 | 1,060,733.64 |
| 1970 | 1,106,410.72 |
| 1971 | 701,051.95 |

\$94,847,032.76

Outstanding Unmatured
Provincial Advances as
at 31st October, 1945.

19. This Act may be cited as *The Power Commission Amendment Act, 1946*.

Short title.

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| Windsor—Load in Horsepower..... | 28 |
| Cost of Power..... | 164 |
| Credit or Charge Account..... | 180 |
| Sinking Fund..... | 185 |
| Municipal Accounts..... | A, 260; B, 314 |
| Statements..... | D, 324; E, 354 |
| Wingham—Load in Horsepower..... | 28 |
| Municipal Work..... | 5 |
| Cost of Power..... | 164 |
| Credit or Charge Account..... | 180 |
| Sinking Fund..... | 185 |
| Municipal Accounts..... | A, 260; B, 314 |
| Statements..... | D, 328; E, 354 |
| Wiring and Installation, Inspection of | |
| Diagram of..... | 121 |
| Woodbridge—Load in Horsepower..... | 28 |
| Municipal Work..... | 48 |
| Cost of Power..... | 164 |
| Credit or Charge Account..... | 180 |
| Sinking Fund..... | 185 |
| Municipal Accounts..... | A, 260; B, 314 |
| Statements..... | D, 336; E, 354 |
| Woodstock—Load in Horsepower..... | 28 |
| Municipal Work..... | 48 |
| Cost of Power..... | 164 |
| Credit or Charge Account..... | 180 |
| Sinking Fund..... | 185 |
| Municipal Accounts..... | A, 261; B, 315 |
| Statements..... | D, 324; E, 354 |
| Woodville—Load in Horsepower..... | 28 |
| Cost of Power..... | 164 |
| Credit or Charge Account..... | 180 |
| Sinking Fund..... | 185 |
| Municipal Accounts..... | A, 261; B, 315 |
| Statements..... | D, 336; E, 354 |
| Wright-Hargreaves Mines Limited, Agree- | |
| ment Approved..... | 12 |
| Wyoming—Load in Horsepower..... | 28 |
| Cost of Power..... | 164 |
| Credit or Charge Account..... | 180 |
| Sinking Fund..... | 185 |
| Municipal Accounts..... | A, 261; B, 315 |
| Statements..... | D, 336; E, 354 |

Y

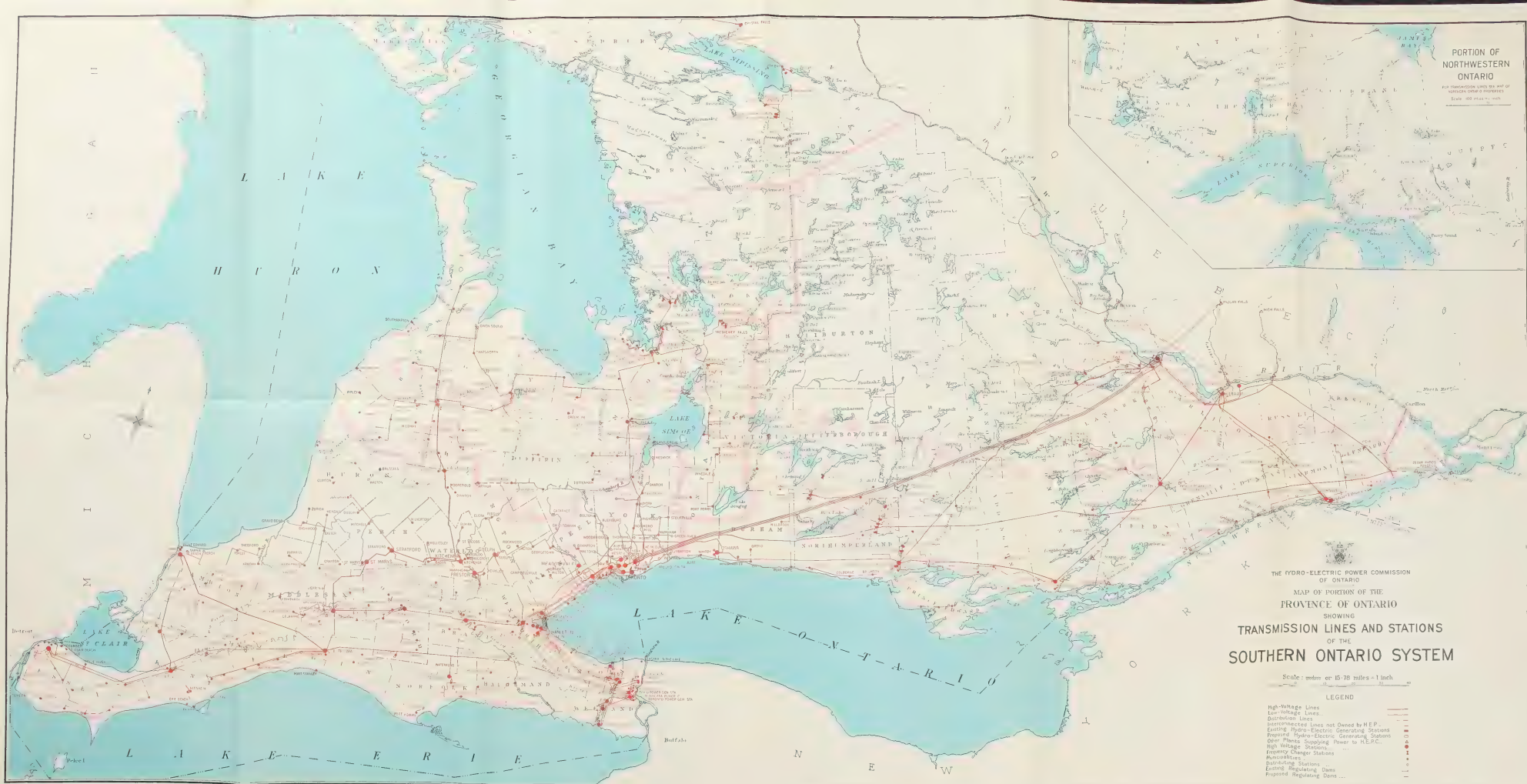
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| York, East, Township (See East York Township) | |
| York, North, Township (See North York Township) | |
| York Township—Load in Horsepower . . . | 28 |
| Municipal Work | 148 |
| Cost of Power | 164 |
| Credit or Charge Account | 180 |
| Sinking Fund | 185 |
| Municipal Accounts | A, 261; B, 315 |
| Statements | D, 336; E, 354 |

Z

| | |
|-------------------------------------|----------------|
| Zurich—Load in Horsepower | 28 |
| Cost of Power | 164 |
| Credit or Charge Account | 180 |
| Sinking Fund | 185 |
| Municipal Accounts | A, 261; B, 315 |
| Statements | D, 336; E, 354 |

PORTION OF
NORTHWESTERN
ONTARIO

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TO BE USED FOR ANY PURPOSES
Scale: 100 miles to 1 inch

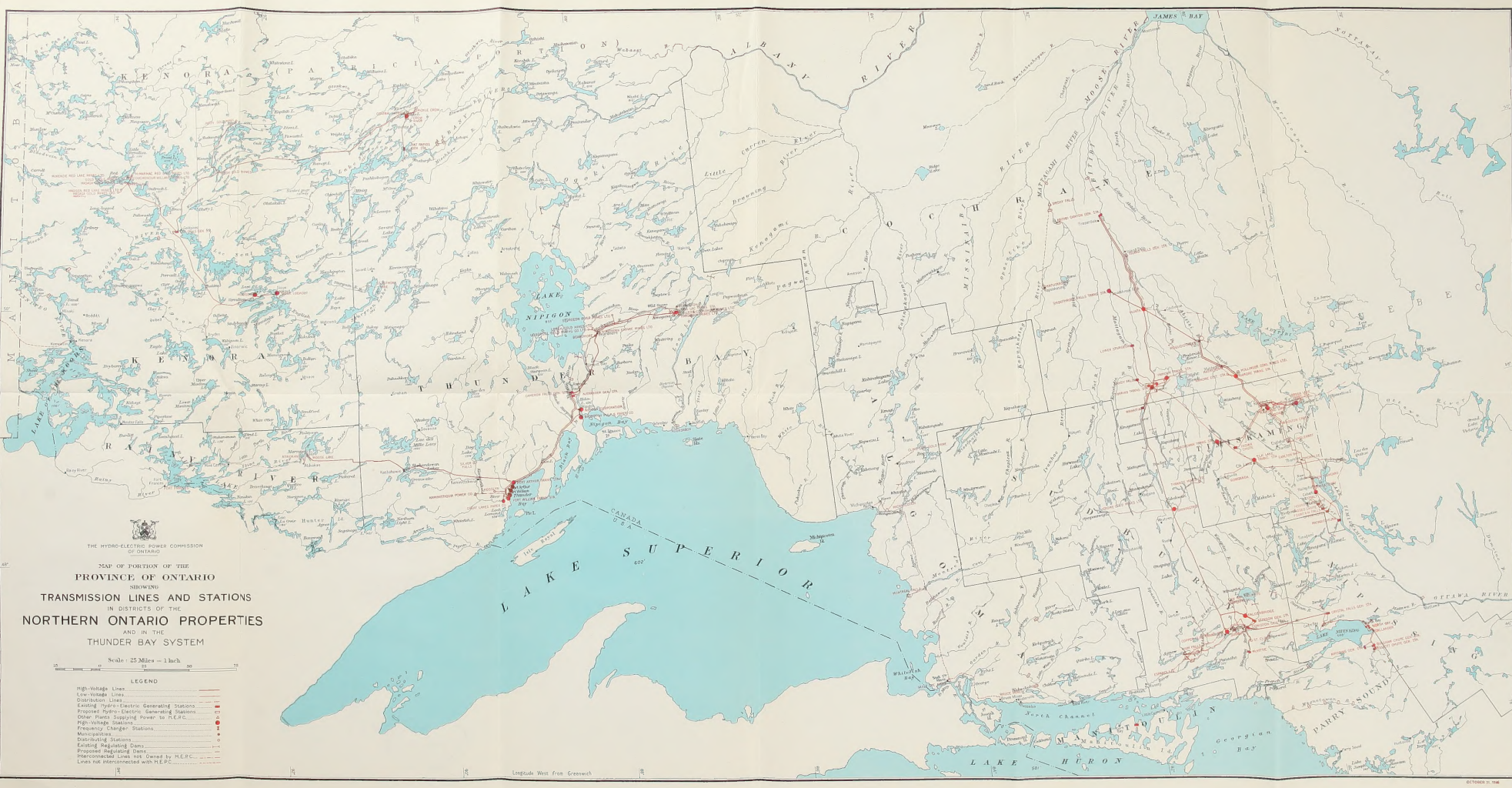


THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
MAP OF PORTIONS OF THE
PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS
OF THE
SOUTHERN ONTARIO SYSTEM

Scale: miles or 160 km - 1 inch

LEGEND

- High-Voltage Lines
- Low-Voltage Lines
- Distribution Lines
- Existing Hydro-Electric Generating Stations
- Proposed Hydro-Electric Generating Stations
- Over-Head Supply Power to R.E.C.
- High Voltage Stations
- Existing Change Stations
- Substations
- Existing Regulating Dams
- Proposed Regulating Dams



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MAP OF PORTION OF THE PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS
IN DISTRICTS OF THE
NORTHERN ONTARIO PROPERTIES
AND IN THE
THUNDER BAY SYSTEM

Scale: 25 Miles = 1 inch

- LEGEND
- High-Voltage Lines
 - Low-Voltage Lines
 - Distribution Lines
 - Existing Hydro-Electric Generating Stations
 - Proposed Hydro-Electric Generating Stations
 - Other Plants Supplying Power to H.E.C.
 - High-Voltage Substations
 - Frequency-Changer Stations
 - Interconnecting Stations
 - Existing Regulating Dams
 - Proposed Regulating Dams
 - Interconnecting Lines not Owned by H.E.C.
 - Lines not interconnected with H.E.C.

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